

# Index

---

## Symbols

---

'(((((' lookup table element 5-114  
' ))))' lookup table element 5-114

---

## A

---

'abrt' lookup table element 5-119  
'abyt' lookup table element 5-111  
Access Code. *See* password  
access control information  
    extracting for attribute types 304 to 306  
    extracting for dNodes 294 to 296  
    extracting for records 298 to 301  
    getting 290  
    getting for attribute types 301 to 303  
    getting for dNodes 291 to 293  
    getting for records 296 to 298  
access control lists 172 to 173  
access controls 165 to 166  
    getting 169 to 173  
    setting 169 to 173  
access privileges 171 to 172  
    listing for personal catalogs 242 to 243  
access requestors. *See* requestors  
Add Enclosure dialog box 3-120 to 3-122  
addresses 1-16, 7-10 to 7-17  
    direct 7-11 to 7-14  
        AppleTalk type 7-12  
        telephone type 7-12 to 7-14  
    expanding group addresses 3-44  
    indirect 7-14 to 7-17  
        attribute type 7-15  
        queue name type 7-16  
    . *See also* message addressing structures  
address extensions 2-36, 2-105  
address extension types  
    'alan' 7-12  
    'aphn' 7-13  
    'entn' 7-14 to 7-17  
        'attr' subtype 7-15  
        'qnam' subtype 7-16  
    getting 7-113  
    setting 7-112  
Address field. *See* Recipients field of a mailer  
addressing panel 3-6

addressomatic. *See* addressing panel 3-6  
address templates A-4  
ADSP. *See* AppleTalk Data Stream  
'alan' address extension type 7-12  
alias  
    name 5-86  
aliases  
    adding to catalogs 264 to 266  
    displayed in Catalog-Browsing panel 4-31  
    extracting from data structures 2-78  
    extracting information about 220 to 221  
    extracting information from 204 to 206  
    for records, introduced 165  
    getting information about 201 to 204, 215 to 219  
    resolution for AOCE catalog objects 4-85 to 4-88  
    catalog specification structure 4-87  
    HFS aliases 4-85  
'alng' lookup table element 5-111  
alternate user, PowerTalk 9-405  
AOCE  
    defined xix  
    desktop services 1-9 to 1-11  
    examples of collaboration applications 1-4 to 1-8  
    introduction 1-3 to 1-19  
    software, defined xix  
    software components 1-8 to 1-14  
    software components illustration 1-9  
    workflow example 1-7  
AOCE attributes. *See* attributes  
AOCE catalog records. *See* records  
AOCE Catalogs Extension. *See* Catalogs Extension  
AOCE catalogs. *See* catalogs  
AOCE Collaboration Package 1-11  
AOCE data structures  
    checking equality of 2-12 to 2-13  
    converting between packed and unpacked 2-6  
    copying 2-13 to 2-15  
    copying versus duplicating 2-15  
    duplicating 2-15  
    maximum-sized 2-3 to 2-4  
    minimum-sized 2-3 to 2-4  
    packing 2-5 to 2-10  
    unpacking 2-5 to 2-10  
    validating 2-10 to 2-12  
AOCE identities. *See* identity 166  
AOCE interprogram messages. *See* messages  
AOCE message. *See* messages  
AOCE record attributes. *See* attributes  
AOCE records. *See* records

- AOCE strings 2-19 to 2-25
  - allocating non-standard sizes of 2-16
  - character set 2-19
  - checking equality of 2-50
  - converting C strings to AOCE strings 2-46
  - converting Pascal strings to 2-47
  - converting to Pascal strings 2-48
  - copying 2-45
  - header 2-19 to 2-20
  - introduction to 2-19
  - manipulating 2-45 to 2-51
  - minimum-sized 2-4
  - script code 2-19
  - validating 2-51
- AOCE template callback routines 5-196 to 5-246
  - changing the call-for mask 5-198
  - custom views 5-242 to 5-245
    - bounds 5-244
    - reference value 5-242
  - determining a catalog system specification 5-210
  - determining a template's file specification 5-206
  - determining quantity of templates 5-205
  - edit-text views 5-211 to 5-213
    - closing 5-212
    - getting the property number 5-211
  - getting a resource handle 5-207
  - getting information about properties 5-213 to 5-222
    - property-changed flag 5-221
    - property-editable flag 5-222
    - size of a binary property 5-219
    - types 5-215
    - value as a binary block 5-220
    - value as an RString 5-217
    - value as a number 5-216
  - how to call 5-197
  - opening a catalog object 5-211
  - parameter block headers 5-147 to 5-148
  - pop-up menus 5-238 to 5-242
    - adding an item 5-238
    - removing an item 5-240
    - returning text of a menu item 5-241
  - process control 5-199 to 5-200
  - property changed 5-233
  - property dirtied 5-233
  - property type conversions 5-214, 5-223
  - saving a property value 5-234
    - . See also routine selectors, AOCE template
  - setting information for properties 5-223 to 5-235
    - parsing an attribute value 5-224
    - setting property-changed flag 5-231
    - setting property-editable flag 5-232
    - type 5-226
    - value as a binary block 5-229
    - value as an RString 5-228
    - value as a number 5-227
  - supporting drops 5-201 to 5-205
    - determining how many objects are being dropped 5-201
    - determining the nature of the destination object 5-202 to 5-205
    - determining the nature of the object being dropped 5-202 to 5-205
  - testing your code resource 5-198
  - unloading templates from memory 5-208
  - updating property values 5-237
  - working with catalog objects 5-209 to 5-211
  - working with sublists 5-235 to 5-238
    - determining number of items in sublist 5-235
    - synchronizing with catalog system 5-237
  - working with templates 5-205 to 5-209
  - AOCE template code resource routines 5-148 to 5-196
    - attribute values 5-175 to 5-181
      - adding a new value to a record 5-177
      - adding a new value to a sublist 5-176
      - changing 5-179
      - deleting 5-181
    - call-for mask 5-149
    - conditional views 5-166
    - custom property-type conversions 5-188 to 5-192
      - convert from number 5-191
      - convert from RString 5-192
      - convert to number 5-188
      - convert to RString 5-189
    - custom views and menus 5-192 to 5-196
    - dynamic creation of resources 5-154 to 5-157
    - enabling item in Catalogs menu 5-195
    - example 5-65 to 5-73
    - handling item in Catalogs menu 5-196
    - initializing and removing templates 5-150 to 5-154
    - keypress in information page 5-163
    - main routine prototype 5-148
    - mouse-down event in a custom view 5-194
    - opening an information page 5-158
    - parameter block 5-148
    - parameter block headers 5-145 to 5-147
    - pasting text 5-164
    - processing custom lookup table elements 5-182 to 5-185
    - processing idle-time tasks 5-157 to 5-158
    - property and information-page routines 5-158 to 5-169
      - property changed 5-167
      - property dirtied 5-167
      - reading the routine selector 5-148
      - saving property values 5-168
        - . See also AOCE template callback routines
        - . See also routine selectors, AOCE template; AOCE template callback routines
    - setting attribute values from properties 5-184
    - setting properties from attribute values 5-182

- setting text length 5-166
- supporting drops 5-169 to 5-174
  - for aspect of destination object 5-173
  - for aspect of dragged object 5-170
- updating custom views 5-193
- updating property values 5-185 to 5-187
- AOCE templates 5-5 to 5-299
  - built-in A-1 to A-4
    - address A-4
    - Group records A-4
    - Key Chain A-4
    - User records A-1 to A-3
  - code resources 5-142 to 5-246
    - data types 5-142 to 5-148
    - rules for writing 5-142
  - exit routine 5-151
  - initializing and removing 5-150 to 5-154
  - names 5-75
  - properties. *See* properties
  - removing and initializing 5-150 to 5-154
  - resource ID values 5-75
  - resources. *See* resources
  - routine selectors. *See* routine selectors, AOCE
    - template
  - sample code 5-30 to 5-73
    - . *See also* aspect templates; file type templates; forwarder templates; information page templates; killer templates
  - template-provided routines. *See* AOCE template
    - code resource routines
  - unloading from memory 5-208
  - writing 5-30 to 5-73
- AOCE toolbox 1-12
- AOCE Utilities 2-3 to 2-139
  - application-defined functions 2-106 to 2-107
  - checking for availability 2-5
  - data structures 2-19 to 2-44
  - functions 2-44 to 2-107
- AOCE utility functions 2-44 to 2-107
  - calling from assembly language 2-44
  - copying functions 2-15
  - duplicating functions 2-15
  - equality functions 2-13
  - packing functions 2-6
  - unpacking functions 2-6
  - validation functions 2-11
- 'aphn' address extension type 7-13
- Apple events
  - opening letters 3-17
  - passing to the Standard Mail Package 3-64
- AppleMail application
  - example of letter 1-5
  - use of 1-7
  - use of standard format 1-11
- Apple Open Collaboration Environment. *See* AOCE
- AppleTalk Data Stream Protocol (ADSP)
  - using for authentication 9-403, 9-409
- AppleTalk Secure Data Stream Protocol (ASDSP). *See* AppleTalk Data Stream Protocol
- AppleTalk Transition Queue (ATQ)
  - using with Authentication Manager 9-407
  - using with Catalog Manager 174
  - using with Interprogram Messaging Manager 7-17
- application-defined routines
  - MyCompletion 9-464
  - MyCompletionRoutine 7-114, 308 to 309
  - MyDrawImage 3-123
  - MyDSSpecStreamer 2-106
  - MyFindPanelBusyProc 4-95
  - MyForEachADAPDirectory function 318
  - MyForEachAttributeAccessControl
    - function 321
  - MyForEachAttrType function 310
  - MyForEachAttrTypeLookup function 313 to 314
  - MyForEachAttributeValue function 314 to 315
  - MyForEachDirectory function 311
  - MyForEachDirEnumSpec function 315 to 316
  - MyForEachDNodeAccessControl function 319
  - MyForEachLookupRecordID function 312
  - MyForEachRecordAccessControl function 320
  - MyForEachRecordID function 309 to 310
  - MyFrontWindowCB 3-124
  - MyNotificationProc 9-465
  - MyPanelBusyProc 4-94
  - MyPrepareMailerForDrawing 3-122
  - MyRecipientStreamer 7-115
  - MySendOptionsFilterProc 3-125
  - MyStatusCallBack function 6-54 to 6-55
- ASDSP. *See* AppleTalk Data Stream Protocol
- aspect
  - creating an information page from 5-17
  - creating from a record 5-16
  - defined 5-10
  - exit routine 5-154
  - initializing 5-152
  - main
    - defined 5-18
    - for attributes 5-20
    - for records 5-19
  - main view 5-20
  - relation to multiple information pages 5-18
  - relation to records and AOCE templates 5-11
  - saving property values 5-168
  - target selectors 5-144
  - target specifier 5-142 to 5-145
- aspect templates
  - applying to new record or attribute types 5-139, 5-155
  - components of 5-78 to 5-119
  - defined 5-11

described 5-13 to 5-14  
 determining quantity 5-205  
 disabling 5-140  
 help balloons 5-105  
 how they work 5-15 to 5-30  
 relation to aspects and records 5-11  
 sample 5-33 to 5-36  
*. See also* main aspect templates  
 signature resource 5-88  
 aspect template target selector 5-145  
 ATQ (AppleTalk Transition Queue)  
   using with Authentication Manager 9-407  
   using with Catalog Manager 174  
   using with Interprogram Messaging Manager 7-17  
 Attachment field. *See* Enclosures field of a mailer  
 attachments. *See* enclosures  
 'attr' address extension subtype 7-15  
 attribute creation ID 2-26 to 2-27  
   defined 165  
 AttributeCreationID data type 2-26 to 2-27  
 Attribute data type 2-39, 2-44  
 attribute extension structure 7-26  
 attributes  
   adding a new 5-94, 5-176, 5-177  
   AOCE template code resource routines 5-175 to 5-181, 5-182 to 5-185  
   adding a new value to a record 5-177  
   adding a new value to a sublist 5-176  
   changing 5-179  
   deleting 5-181  
   breaking into properties 5-224  
   category, specifying in an aspect template 5-91  
   changing a value 5-179  
   creating from properties. *See* lookup table  
   defined 1-15  
   deleting 5-110  
   deleting a value 5-181  
   dragging values from a sublist 5-102  
   dropping on a record 5-100  
   external category, specifying in an aspect template 5-92  
   from a different record 5-224  
   from outside the catalog system 5-224  
   gender, of record alias 5-94  
   getting information from 6-52 to 6-54  
   information page for 5-23  
   initial value 5-96  
   kind  
     of alias 5-93  
       specifying in an aspect template 5-91  
   main aspect 5-20  
   main aspect and information page template sample  
     code 5-52 to 5-58  
   main aspect template for 5-22  
   multivalued 5-110  
   name 5-86  
   name of new value 5-95  
   new item routine for AOCE templates 5-153  
   parsing into properties 5-224  
     *. See also* lookup table  
   preventing the user from dragging values out of sublists 5-102  
   saving new values 5-27  
   specifying AOCE templates for use with 5-139, 5-155  
   stand-alone 5-6  
   tags 5-77, 5-96, 5-105  
   attribute tag AOCE template resource 5-77  
   attribute tags. *See* attribute value tags  
   attribute-type AOCE template resource 5-75, 5-76, 5-77  
   AttributeType data type 2-39, 5-181  
   attribute-type indirect addressing 7-15  
   attribute types  
     and lookup table 5-105  
     defined 165  
     deleting 284 to 285  
     extracting 288 to 289  
     extracting access control information for 304 to 306  
     extracting attribute values for 280 to 283  
     for AOCE templates 5-75 to 5-77  
     getting 2-94, 285 to 287  
     getting access control information for 301 to 303  
     getting attribute values for 276 to 279  
     managing 266 to 289  
     manipulating 2-94 to 2-95  
     multivalued 5-110  
 AttributeValue data type 2-42  
 attribute values  
   adding to records 267 to 268  
   changing 270 to 272  
   defined 165  
   deleting from records 269 to 270  
   extracting 280 to 283  
   finding 274 to 276  
   getting 276 to 279  
   managing 266 to 289  
   queue name format 7-16  
   verifying 272 to 273  
 attribute value tags  
   and lookup table 5-105  
   AOCE template resource 5-77  
   defined 165  
   for new value 5-96  
 AuthAddKey function 9-419  
 AuthAddToLocalIdentityQueue function 9-426  
 AuthBindSpecificIdentity function 9-435  
 AuthChangeKey function 9-420  
 AuthChangeLocalIdentity function 9-429  
 AuthDecryptCredentials function 9-455 to 9-457  
 AuthDeleteKey function 9-422  
 AuthDirParamHeader data type 9-414

AuthDirParamHeader type 190  
 authenticated-in-catalog requestors 170  
 authenticated-in-dNode requestors 170  
 authentication  
     and Standard Mail Package 3-36  
     defined 9-400  
     example  
         for initiator 9-409  
         for Non-ASDSP users 9-409 to 9-410  
         for recipient 9-410  
         using a proxy 9-410  
         using ASDSP 9-408 to 9-409  
 generating a challenge 9-451  
 generating a reply and counterchallenge 9-452  
 indication in message header 7-7  
 introduction 1-17  
 process described 9-401 to 9-403  
 prompting user 4-25 to 4-28  
 utilities for non-ASDSP users 9-450 to 9-457  
 verifying a reply and replying to a  
     counterchallenge 9-454  
 authentication identity. *See* identity  
 Authentication Manager 9-399 to 9-501  
     application-defined functions for 9-464 to 9-466  
     data structures for 9-414 to 9-416  
     defined 9-406  
     functions in 9-416 to 9-464  
         calling from assembly language 9-417  
         creation ID resolution 9-446 to 9-448  
         credentials management 9-439 to 9-446  
         key management 9-417 to 9-424  
         local identity management 9-424 to 9-434  
         managing the PowerTalk Setup catalog 9-457 to  
             9-464  
         non-ASDSP authentication 9-450 to 9-457  
         specific identity management 9-435 to 9-439  
 introduction 1-12  
 testing for availability 9-407  
 testing for version number 9-407  
 AuthGetCredentials function 9-439 to 9-441  
 AuthGetLocalIdentity function 9-424  
 AuthGetSpecificIdentityInfo function 9-438  
 AuthGetUTCTime function 9-449  
 AuthKey data type 9-416  
 AuthKeyType data type 9-416  
 AuthLockLocalIdentity function 9-431  
 AuthMakeChallenge function 9-451 to 9-452  
 AuthMakeProxy function 9-441  
 AuthMakeReply function 9-452  
 AuthParamBlockPtr data type 9-414  
 AuthPasswordToKey function 9-417  
 AuthRemoveFromLocalIdentityQueue  
     function 9-427  
 AuthRemoveLocalIdentity function 9-433  
 AuthResolveCreationID function 9-446 to 9-448  
 AuthSetupLocalIdentity function 9-428  
 AuthTradeProxyForCredentials function 9-443  
     to 9-446  
 AuthUnbindSpecificIdentity function 9-437  
 AuthUnlockLocalIdentity function 9-432  
 AuthVerifyReply function 9-454  
 'awrd' lookup table element 5-111

---

## B

Balloon Help  
     in mailers 3-66  
     *. See also* help balloons  
 'bbit' lookup table element 5-111  
 binary property 5-13  
 binary property type 5-84  
 Bitmap view type 5-128  
 blocks, letter  
     adding to a letter 3-91 to 3-93  
     getting information about 3-104  
     reading 3-106  
 blocks, message  
     current 7-62  
     getting type and index 7-96  
     nested message 7-59 to 7-61  
     nesting 7-56 to 7-59  
     reading data 7-98 to 7-101  
     starting 7-53 to 7-55  
     TOC in message header 7-7  
     writing data to 7-61 to 7-65  
 block type structure 7-28  
 block type values 7-27  
 'blok' lookup table element 5-111  
 boldface, meaning of xxii  
 bounds  
     Catalog-Browsing panel 4-30, 4-50  
     Find panel 4-64  
     information page custom view 5-244  
 Box view type 5-128  
 browsing AOCE catalogs 4-3, 5-7 to 5-9  
     *. See also* Catalog-Browsing panel  
 'bsiz' lookup table element 5-115  
 'btyp' lookup table element 5-119  
 built-in AOCE templates A-1 to A-4  
 business cards. *See* information cards  
 'bust' file type 4-86  
 buttons  
     implementing for the Find panel 4-79  
 Button view type 5-129, 5-161  
 'byte' lookup table element 5-111

**C**


---

- callback block headers 5-147 to 5-148
- CallBackDET AOCE template macro 5-197
- callback routines. *See* AOCE template callback routines; application-defined routines
- call block headers 5-145 to 5-147
- call block targeted header 5-146
- call-for mask, AOCE template
  - changing 5-198
  - defined 5-149
- cancelling a message 7-67
- capability flags for catalogs. *See* feature flags 162
- Catalog Browser 1-9
- Catalog-Browsing panel
  - adding and removing focus rectangle 4-46
  - bounds 4-30, 4-50
  - changing identity 4-37
  - creating 4-8 to 4-11
    - using function parameters 4-30 to 4-33
    - using resources 4-34 to 4-35
  - defined 4-3
  - displaying contents of a container 4-38
  - disposing 4-50
  - enabling and disabling 4-45
  - events in 4-51 to 4-61
    - determining size of packed record ID of item selected 4-57
    - determining type of item selected 4-55 to 4-56
    - getting packed record ID of item selected 4-58
    - handling 4-11 to 4-18, 4-52 to 4-54
    - opening item selected 4-59 to 4-61
  - getting pathname of item in pop-up menu 4-40 to 4-42
  - help balloons for 4-36
  - hiding 4-43
  - highlighting item that matches string 4-42
  - installing a panel-busy callback function 4-35
  - making visible 4-44
  - moving 4-48
  - panel-busy callback function 4-94
  - resizing 4-49
  - responding to an update event 4-47
  - sample 4-9 to 4-11
  - size of buffer needed for pathname 4-39
  - types of items displayed 4-31
  - types of records displayed 4-31, 4-32
- Catalog-Browsing panel structure 4-20
- catalog discriminators 2-31
  - checking equality of 2-64
  - copying 2-63
  - defined 162
  - manipulating 2-63 to 2-64
- catalog folder. *See* dNodes
- Catalog Manager 161 to 321
- application-defined functions 308 to 321
- data types in 190 to 195
- functions in 196 to 307
  - calling from assembly language 196
- introduction 1-13
- testing for availability 174
- testing for version number 174
- catalog node ID. *See* dNodeID data type 192
- catalog node names
  - determining number in PackedPathName 2-58
- catalog node number. *See* dNode numbers
- catalog node. *See* dNodes
- catalog records. *See* records
- catalogs
  - adding a client key to a catalog 9-419
  - adding aliases to 264 to 266
  - adding to PowerTalk Setup catalog 229 to 234, 9-460
  - addressing 162
  - AOCE template callback routines 5-209 to 5-211
  - browsing 4-3, 5-7 to 5-9
  - changing a client key in a catalog 9-420
  - changing the record ID and password in the PowerTalk Setup catalog 9-461
  - defined 162
  - deleting a client key from a catalog 9-422
  - determining the catalog system specification for an object 5-210
  - example of use 1-5
  - external. *See* external catalogs
  - features, determining 162, 168, 186 to 190, 206 to ??
  - features, determining ?? to 208
  - getting extended information about 212 to 214
  - getting icon information for 210 to 212
  - getting information about 196 to 214
  - getting network information for 209 to 210
  - identifying 163
  - introduction to 1-14, 162 to 167
  - obtaining icons for catalog objects 4-90
  - obtaining root of 2-78
  - opening an object from a template code
    - resource 5-211
  - personal. *See* personal catalogs 162
  - removing from PowerTalk Setup catalog 237 to 239, 9-462
  - See also* external catalogs; personal catalogs; PowerShare catalogs
  - selecting records 4-3
  - structure of 163
  - synchronizing with sublist 5-237
  - catalog service access modules. *See* CSAMs
  - catalog services specification
    - packing 2-97
  - catalog services specifications 2-36 to 2-38
    - checking equality of 2-99
    - converting to stream of bytes 2-105

- defined 2-36
- manipulating 2-95 to 2-106
- obtaining information about 2-103
- packed 2-37
- packed minimum-sized 2-38
- unpacking 2-6 to 2-10
- Catalogs Extension (CE)
  - Catalogs icon 5-6
  - compared with HFS 5-7
  - description 5-5 to 5-9
  - routines used by templates. *See* AOCE template callback routines
    - . *See also* AOCE templates 5-5
  - Catalogs icon 5-6
  - Catalogs menu
    - adding items 5-137
    - New item, specifying text of 5-94
    - routines to handle custom items 5-192 to 5-196
      - enabling and disabling 5-195
      - responding to user selection 5-196
  - catalog system specifier structure. *See* DSSpec data type
    - certificate information structure 6-25
    - certificate sets 6-6 to 6-7
    - certificates. *See* public-key certificates
    - CE. *See* Catalogs Extension
    - challenge, authentication
      - generating 9-451
      - generating a reply and counterchallenge 9-452
      - obtaining credentials and key 9-440
      - steps in authentication 9-403
      - verifying a reply and replying to a counterchallenge 9-454
    - changing the call-for mask 5-198
    - character set
      - for AOCE strings 2-19
    - Checkbox view type 5-129, 5-161
    - client key
      - adding to catalog 9-419
      - changing in catalog 9-420
      - creating from a password 9-417
      - defined 9-400
      - deleting from catalog 9-422
    - close-options dialog box 3-60, 3-61
    - close-options structure 3-29
    - code resources, AOCE templates 5-142 to 5-246
      - data types 5-142 to 5-148
      - example 5-65 to 5-73
      - rules for writing 5-142
        - . *See also* AOCE template callback routines; AOCE template code resource routines; routine selectors, AOCE templates
      - target specifier 5-142 to 5-145
    - Collaboration Package 1-11 to 1-12
      - . *See also* Standard Catalog Package; Standard Mail Package
    - Collaboration toolbox 1-12 to 1-14
      - . *See also* Authentication Manager; Catalog Manager; IPM Manager
    - commands, menu. *See* menu commands
    - commands, property. *See* property commands
    - CompletionRoutine function 7-114
    - completion routines
      - Authentication Manager 9-464
      - IPM Manager 7-41, 7-114
    - conditional elements for lookup tables 5-112
    - conditional views. *See* views
    - connection closed error 7-18
    - content enclosures. *See* main enclosures
    - content of a letter
      - adding an image to a letter 3-88
      - adding standard interchange format to a letter 3-85 to 3-88
      - reading standard interchange format in a letter 3-98 to 3-102
        - . *See also* image content; native content
    - context data structure 6-39
    - contexts 6-28 to 6-31
      - creating 6-28 to 6-29
      - disposing 6-29
        - . *See also* queue context
    - conventions used in this book xxii
    - counterchallenge, authentication
      - generating 9-452
      - replying to 9-454
    - cover pages, mailer
      - drawing 3-108
      - preparing 3-107
    - creating an aspect from a record 5-16
    - creating an information page from an aspect 5-17
    - CreationID data type
      - checking equality of 2-52
      - copying 2-52
      - defined 2-26 to 2-27
      - getting null pointer to 2-53
      - getting pointer to PathFinder creation ID 2-54
      - setting to null 2-54
    - creation IDs 9-446 to 9-448
      - manipulating 2-51 to 2-55
        - . *See also* attribute creation ID; record creation IDs
    - creators
      - determining for letter in the In Tray 3-94
      - creator type structure 3-28, 7-27
    - credentials
      - decrypting 9-455
      - defined 9-401
      - getting 9-408, 9-439
      - getting a proxy for 9-441
      - management 9-439 to 9-446

use of 9-403  
 using a proxy to obtain 9-443  
*cryptographic key*. *See keys, cryptographic cryptography* 6-4  
 'csam' file type 5-73  
 CSAMs (catalog service access modules)  
   introduced 162  
 C strings  
   converting to AOCE strings 2-46  
 'cstr' lookup table element 5-111  
 current block 7-62  
 cursors  
   disabling watch cursor 5-200  
   in mailers 3-66  
 custom information page window  
   main aspect and information page template sample  
     code 5-58 to 5-65  
   pop-up menu 5-97  
   resource 5-97  
 Custom view type 5-130  
 'cwin' event class 3-67

## D

---

Data Encryption Standard (DES) 9-400  
 date  
   getting information about 6-20  
 Date field. *See Sent field of a mailer*  
 DefaultButton view type 5-129, 5-161  
 delivery notification  
   data structures 7-28 to 7-34  
   delivery result 7-33  
   nondelivery codes 7-29 to 7-30  
   notification types 7-31 to 7-32  
   recipient index 7-33  
   recipient report 7-33  
   report block header 7-33  
 DES (Data Encryption Standard) 9-400  
 DESKey data type 9-416  
 DET. *See AOCE templates*  
 DETAboutToTalkBlock data type 5-200  
 DETAddMenuBlock data type 5-238  
 'deta' resource type 5-88  
 DETAttributeChangeBlock data type 5-178  
 DETAttributeCreationBlock data type 5-175  
 DETAttributeDeleteBlock data type 5-180  
 DETAttributeNewBlock data type 5-176  
 DETBeepBlock data type 5-198  
 DETBreakAttributeBlock data type 5-224  
 'detb' resource type 5-96, 5-103  
 DETBusyBlock data type 5-200  
 DETCallBackBlockHeader data type 5-147

DETCallBackBlockPropertyHeader data  
   type 5-148  
 DETCallBackBlockTargetedHeader data  
   type 5-148  
 DETCallBlock data type 5-148  
 DETCallBlockHeader data type 5-146  
 DETCallBlockPropertyHeader data type 5-146  
 DETCallBlockTargetedHeader data type 5-146  
 DETChangeCallForsBlock data type 5-198  
 DETCloseEditBlock data type 5-212  
 DETConvertFromNumberBlock data type 5-190  
 DETConvertFromRStringBlock data type 5-191  
 DETConvertToNumberBlock data type 5-188  
 DETConvertToRStringBlock data type 5-189  
 'detc' resource type 5-84  
   . *See also code resources*  
 DETCustomMenuEnabledBlock data type 5-194  
 DETCustomMenuItemSelectedBlock data type 5-195  
 DETCustomViewMouseDownBlock data type 5-193  
 DETDirtyPropertyBlock data type 5-233  
 DETDoPropertyCommandBlock data type 5-245  
 DETDoSyncBlock data type 5-186  
 DETDropMeQueryBlock data type 5-170  
 DETDropQueryBlock data type 5-172  
 DETDynamicForwardersBlock data type 5-155  
 DETDynamicResourceBlock data type 5-156  
 DETExitBlock data type 5-151  
 'detf' file type 5-12, 5-73  
 DETForwarderListWidgetItem data type 5-145  
 'detf' resource type 5-139  
 DETFSInfo data type 5-203  
 DETGetCommandItemNBlock data type 5-202  
 DETGetCommandSelectionCountBlock data  
   type 5-201  
 DETGetCustomViewBoundsBlock data type 5-244  
 DETGetCustomViewDrawBlock data type 5-192  
 DETGetCustomViewUserReferenceBlock data  
   type 5-242  
 DETGetDSSpecBlock data type 5-209  
 DETGetOpenEditBlock data type 5-211  
 DETGetPropertyBinaryBlock data type 5-219  
 DETGetPropertyBinarySizeBlock data type 5-218  
 DETGetPropertyChangedBlock data type 5-221  
 DETGetPropertyEditableBlock data type 5-222  
 DETGetPropertyNumberBlock data type 5-216  
 DETGetPropertyRStringBlock data type 5-217  
 DETGetPropertyTypeBlock data type 5-214  
 DETGetResourceBlock data type 5-207  
 DETGetTemplateFSSpecBlock data type 5-206  
 DETInitBlock data type 5-150  
 DETInstanceExitBlock data type 5-154  
 DETInstanceIdleBlock data type 5-157  
 DETInstanceInitBlock data type 5-152  
 'deti' resource type 5-121  
 DETItemNewBlock data type 5-153

DETItemType enumeration 5-203  
 DETKeyPressBlock data type 5-163  
 'detk' resource type 5-140  
 DETMaximumTextLengthBlock data type 5-166  
 DETMenuItemRStringBlock data type 5-241  
 'detm' resource type 5-104, 5-137  
 'detn' resource type 5-77, 5-103  
 DETOpenDSSpecBlock data type 5-210  
 DETOpenSelfBlock data type 5-158  
 DETPasteBlock data type 5-164  
 DETPatternInBlock data type 5-182  
 DETPatternOutBlock data type 5-184  
 'dtep' resource type 5-104  
 DETPropertyCommandBlock data type 5-159  
 DETPropertyDirtiedBlock data type 5-167  
 DETRemoveMenuBlock data type 5-240  
 DETRequestSyncBlock data type 5-237  
 DETSavePropertyBlock data type 5-234  
 DETSelectedSublistCountBlock data type 5-236  
 DET SetPropertyBinaryBlock data type 5-229  
 DET SetPropertyChangedBlock data type 5-231  
 DET SetPropertyEditableBlock data type 5-232  
 DET SetPropertyNumberBlock data type 5-227  
 DET SetPropertyRStringBlock data type 5-228  
 DET SetPropertyTypeBlock data type 5-225  
 DETShouldSyncBlock data type 5-185  
 DETSublistCountBlock data type 5-235  
 DETTargetSelector enumeration 5-144  
 DETTargetSpecification data type 5-143  
 DETTemplateCounts data type 5-205  
 'dett' resource type 5-108  
     . *See also* lookup table  
 DETUnloadTemplatesBlock data type 5-208  
 DETValidateSaveBlock data type 5-168  
 DETViewListChangedBlock data type 5-166  
 'detv' resource type 5-123 to 5-130  
     . *See also* view lists  
 'detw' resource type 5-97  
 'detx' resource type 5-141  
 dialog boxes  
     displayed by AOCE template code resource 5-200  
     and information pages 5-200  
 digest data structure 6-44  
 digests  
     creating 6-19, 6-43 to 6-44  
     defined 6-5  
     encrypted 6-6  
     generating 6-30  
     size of 6-5, 6-44  
     unencrypted 6-43  
 Digital Signature Manager 6-3 to 6-64  
     application-defined functions 6-54 to 6-55  
     data structures for 6-23 to 6-27  
     functions in 6-27 to 6-54  
     introduction 1-12  
     testing for version number 6-11  
 digital signatures 6-5 to 6-6  
     adding to a message 7-67  
     checking for 3-83  
     defined 6-3  
     detecting viruses with 6-3  
     icons for 6-26  
     indication in message header 7-7  
     introduction to 6-3 to 6-5  
     relationship to full signatures 6-5 to 6-6  
     . *See also* full signatures  
     verifying for message 7-102 to 7-103  
 DirAbort function 306 to 307  
 DirAddADAPDirectory function 229 to 231  
 DirAddAlias function 264 to 266  
 DirAddAttributeValue function 267 to 268  
 DirAddPseudonym function 256 to 258  
 DirAddRecord function 247 to 249  
 DirChangeAttributeValue function 270 to 272  
 DirClosePersonalDirectory function 243 to 244  
 DirCreatePersonalDirectory function 240 to 241  
 DirDeleteAttributeType function 284 to 285  
 DirDeleteAttributeValue function 269 to 270  
 DirDeletePseudonym function 258 to 259  
 DirDeleteRecord function 249 to 250  
 DirDiscriminator  
     checking equality of 2-64  
     copying 2-63  
     data type defined 2-31  
 direct addressing 7-11 to 7-14  
     AppleTalk type 7-12  
     telephone type 7-12 to 7-14  
 Direct Dialup  
     addresses 7-12 to 7-14  
     defined 7-3  
 Directory Manager. *See Catalog Manager*  
 DirectoryName data type 2-22  
 DirEnumChoices data type 192  
 DirEnumerateAttributeTypesGet function 285 to 287  
 DirEnumerateAttributeTypesParse function 288 to 289  
 DirEnumerateDirectoriesGet function 196 to 199  
 DirEnumerateDirectoriesParse function 199 to 201  
 DirEnumerateGet function 215 to 219  
 DirEnumerateParse function 220 to 221  
 DirEnumeratePseudonymGet function 259 to 262  
 DirEnumeratePseudonymParse function 262 to 264  
 DirEnumSpec data type 193  
 DirFindADAPDirectoryByNetSearch function 232 to 234  
 DirFindRecordGet function 201 to 204  
 DirFindRecordParse function 204 to 206  
 DirFindValue function 274 to 276

**DirGetAttributeAccessControlGet**  
 function 301 to 303  
**DirGetAttributeAccessControlParse**  
 function 304 to 306  
**DirGetDirectoryIcon** function 210 to 212  
**DirGetDirectoryInfo** function 168, 206 to 208  
**DirGetDNodeAccessControlGet** function 291 to 293  
**DirGetDNodeAccessControlParse** function 294 to 296  
**DirGetDNodeInfo** function 227 to 228  
**DirGetDNodeMetaInfo** function 222 to 223  
**DirGetExtendedDirectoriesInfo** function 182, 212 to 214  
**DirGetLocalNetworkSpec** function 209 to 210  
**DirGetNameAndType** function 252 to 253  
**DirGetOCESetupRefnum** function 239 to 240  
**DirGetRecordAccessControlGet** function 296 to 298  
**DirGetRecordAccessControlParse** function 298 to 301  
**DirGetRecordMetaInfo** function 250 to 252  
**DirLookupGet** function 276 to 279  
**DirLookupParse** function 280 to 283  
**DirMakePersonalDirectoryRLI** function 244 to 246  
**DirMapDNodeNumberToPathName** function 223 to 225  
**DirMapPathNameToDNodeNumber** function 225 to 227  
**DirMatchWith** data type 195  
**DirNetSearchADAPDirectoriesGet** function 234 to 235  
**DirNetSearchADAPDirectoriesParse** function 236 to 237  
**DirOpenPersonalDirectory** function 242 to 243  
**DirParamBlock** data type 190 to 192  
**DirRemoveDirectory** function 237 to 239  
**DirSetNameAndType** function 254 to 255  
**'dirt'** file type 4-86  
**dirtied** property  
 AOCE template callback routine 5-233  
 code resource routine 5-167  
**DirVerifyAttributeValue** function 272 to 273  
**distinguished name** 6-9 to 6-11, 6-46  
 getting information about 6-52 to 6-54  
**DNodeID** data type 192  
**dNode** list. *See* sublists  
**dNode** numbers  
 defined 163  
 getting 9-446  
 getting from pathnames 225 to 227  
**dNodes**  
 adding records to 247 to 249  
 defined 1-14  
 detecting changes in 222 to 223  
 determining number in **PackedPathName** 2-58  
 displayed in Catalog-Browsing panel 4-31  
 enumerating 193  
 extracting access control information for 294 to 296  
 extracting information from 220 to 221  
 getting access control information for 291 to 293  
 getting dNode number from pathname 225 to 227  
 getting information about 214 to 228  
 getting information about contents of 215 to 219  
 getting pathname information for 223 to 225  
 identifying ability to contain records 227 to 228  
 identifying as foreign nodes 227 to 228  
**'dnod'** file type 4-86  
**documents**  
 digital signatures for. *See* digital signatures 3-41  
 sending as a letter 3-37 to 3-41  
**dragging**, and AOCE templates. *See* drop operations  
**DrawImage** function 3-123  
**drop operations**, and AOCE templates  
 callback routines 5-201 to 5-205  
 determining how many objects are being dropped 5-201  
 determining the nature of the destination object 5-202 to 5-205  
 determining the nature of the object being dropped 5-202 to 5-205  
 categories of records that can be dropped 5-100  
 code resource routines 5-162, 5-169 to 5-174  
 for aspect of destination object 5-173  
 for aspect of dragged object 5-170  
 dropping an attribute on a record 5-100  
 dropping a record on a record 5-99  
 file information 5-203  
 how they work 5-28  
 item types 5-203  
 label for button in dialog box 5-101  
 preventing the user from dragging out attribute values 5-102  
 prompt string 5-101  
 property commands 5-162  
 resources 5-98 to 5-102  
 selection list 5-102  
 types of attribute values that can be dragged out of a sublist 5-102  
**'dsam'** file type 5-73  
**'dsig'** resource type 6-22, 6-36  
**DSSpec** data type  
 checking equality of 2-99  
 converting to stream of bytes 2-105  
 defined 2-36  
 obtaining information about 2-103  
 opening a catalog object from a template code resource 5-211  
 packed. *See* **PackedDSSpec**

packing 2-97  
 DSSpec target selector 5-144  
 duplicate message delivery 7-18  
 dynamic creation of AOCE template resources 5-154 to 5-157

**E****Edit menu**

mailers and  
 enabling and disabling commands 3-32, 3-69  
 handling commands 3-67  
 handling commands, sample 3-25  
 Undo command 3-33, 3-70  
**EditPicture** view type 5-130  
**edit-text** views  
 AOCE template callback routines 5-211 to 5-213  
 closing 5-212  
 getting the property number 5-211  
 closing with default button 5-129  
 in view list 5-128

**EditText** view type 5-128**enclosure descriptor** 3-26**enclosures**

adding to a mailer 3-119  
 displaying Add Enclosure dialog box 3-120 to 3-122  
 sending with a letter 3-39

**Enclosures field of a mailer**

adding enclosures to a mailer 3-119, 3-120 to 3-122  
 getting 3-113 to 3-115

**encrypted digests** 6-6

. See also digital signatures

**encryption**

  Data Encryption Standard 9-400

**encryption keys.** See keys, cryptographic  
**entity name extension structure** 7-26

**'entn' address extension type** 7-14 to 7-17

  '**attr**' subtype 7-15

  '**qnam**' subtype 7-16

**enumeration choice types** 192**enumeration specifications** 193**'equa' lookup table element** 5-112**errors**

  from mailer image-drawing routines 3-42

**events****Catalog-Browsing panels** 4-51 to 4-61

  determining size of packed record ID of item selected 4-57

  determining type of item selected 4-55 to 4-56

  getting packed record ID of item selected 4-58

  handling 4-11 to 4-18, 4-52 to 4-54

  opening item selected 4-59 to 4-61

**Find panels** 4-75 to 4-85

determining size of packed record ID of record selected 4-80  
 determining what action user has taken 4-79 to 4-80  
 getting packed record ID of record selected 4-82  
 handling 4-76 to 4-78  
**key-down** 3-124  
**mailers** 3-21 to 3-25, 3-63 to 3-72  
 edit menu commands 3-67 to 3-71  
 having the mailer process events for you 3-63 to 3-67  
 mouse clicks 3-24  
 processing 3-22  
 specifying the active window 3-124  
**update**, in mailers 3-72  
**exit routines**  
 AOCE template 5-151  
 aspect 5-154  
 expiration time of credentials 9-455  
 extended catalog information, getting 182  
 extensions. See address extensions  
 extension types. See address extension types  
**external catalogs**  
 defined  
 removing from PowerTalk Setup catalog 237 to 239

**F****family, message** 7-7, 7-35

**feature flags for catalogs** 162, 186 to 190

'**fext**' file type 5-73

**file information**, AOCE template drop operations 5-203

**File menu**

  opening a letter 3-95

  saving a letter 3-80

'**file**' message family type 7-35

**files**

  digital signatures for. See digital signatures 6-36

  sending as letters 3-37 to 3-41

**file system specification**

  determining for an AOCE template file 5-206

**file types**

  '**bust**' 4-86

  '**csam**' 5-73

  '**detf**' 5-12, 5-73

  '**dirt**' 4-86

  '**dnod**' 4-86

  '**dsam**' 5-73

  '**fext**' 5-73

  '**msam**' 5-73

  '**pabt**' 4-86

  '**rcrd**' 4-86

- searched by Catalogs Extension 5-15, 5-141
  - used by AOCE templates 5-73
- file type templates 5-12, 5-15
  - components of 5-141
  - disabling 5-140
  - resources 5-141
  - signature resource 5-141
- filters, for message queues
  - changing 7-74
  - general description 7-8
  - queue filter structure 7-35
  - single filter structure 7-34
  - structures 7-34 to 7-35
- Finder
  - AOCE desktop services 1-9 to 1-11
  - Catalog Browser 1-9
- Find panel
  - adding and removing focus rectangle 4-70
  - and Stop button 4-80
  - bounds of elements 4-64
  - changing identity 4-71
  - creating 4-18 to 4-20, 4-61 to 4-65
  - defined 4-3
  - disposing 4-20, 4-75
  - enabling and disabling 4-69
  - events in 4-75 to 4-85
    - determining size of packed record ID of record selected 4-80
    - determining what action user has taken 4-79 to 4-80
    - getting packed record ID of record selected 4-82
    - handling 4-76 to 4-78
  - help balloons for 4-66
  - hiding 4-67
  - implementing buttons and menu items 4-79
  - initial focus rectangle 4-64
  - initiating a search 4-83
  - installing a panel-busy callback function 4-65
  - making visible 4-68
  - moving 4-74
  - panel-busy callback function 4-95
  - responding to an update event 4-72 to 4-73
  - terminating a search 4-84
  - version number 4-5
- FindPanelBusyProc function 4-95
- find panel structure 4-22
  - 'find' resource type 4-63
- fixed header information structure 7-38
- focus rectangle
  - adding and removing
    - Catalog-Browsing panel 4-46
    - Find panel 4-70
  - and Catalog-Browsing panel 4-11
    - defined 4-11
  - initial setting for Find panel 4-64
- fonts
  - constants for view lists 5-127
  - converting font numbers in a letter to font names 3-102
  - in letters 3-87
- foreign dNodes
  - identifying as 227 to 228
- forwarder list 5-145
- forwarder templates 5-11, 5-14
  - components of 5-138 to 5-139
  - disabling 5-140
  - resources 5-138 to 5-139
  - signature resource 5-139
- forwarding mail 3-19 to 3-20, 3-49
- friend requestors 170
- From field of a mailer
  - getting 3-111
  - specifying identity 3-117
- FrontWindowCB function 3-124
- full signatures
  - components of 6-5 to 6-7
  - creating 6-8, 6-14 to 6-16, 6-31 to 6-38
  - getting information from 6-19 to 6-22, 6-45 to 6-54
  - verifying 6-6, 6-8, 6-16 to 6-19, 6-38 to 6-40

---

## G

- gender of record kind 5-93
- get functions, using to get access control information 172
- get/parse function pairs 168
  - how to use together 173
- using with different parameter blocks 174 to 178
- using with identical parameter blocks 178 to 182
- graphics ports
  - and image-drawing routine 3-124
  - preparing for mailer 3-123
- 'grea' lookup table element 5-113
- Greenwich Mean Time. *See* UTC
- 'greq' lookup table element 5-113
- group addresses
  - expanding 3-44
- Group record templates A-4
- guest, PowerTalk 9-405
- guest requestors 170

---

## H

- header, message
  - authentication field 7-7
  - contents of 7-6

- delivery notification field 7-6
- digital signature field 7-7
- information about 7-37 to 7-39, 7-89 to 7-96
- message family field 7-7
- priority field 7-6
- process hint field 7-7
- recipient location information 7-7
- recipients 7-92 to 7-94
- reply queue field 7-7, 7-95 to 7-96
- sender field 7-7
- table of contents 7-7
- header information structures 7-37 to 7-39
- help balloons
  - aspect templates 5-105
  - for attributes 5-93
  - for Catalog-Browsing panel 4-36
  - for Find panel 4-66
  - main aspect templates 5-93, 5-94
  - for records 5-93
- high-level events
  - passing to the Standard Mail Package 3-64

---

- I**
- icon list. *See* sublists
- icon property 5-13
- icons
  - for AOCE templates 5-90
  - for catalog objects, obtaining 4-90
  - for catalog records, obtaining 4-88
  - getting information about 210 to 212
  - for spinning arrows 4-95
- icon suites
  - generic for Standard Catalog Package 4-96
  - standard for digital signatures 6-26
  - standard for Standard Catalog Package 4-97
- icon view type 5-128
- identity 9-403 to 9-405
  - and keys 9-423
  - and Standard Mail Package 3-37
  - defined 166, 9-404
  - for Catalog-Browsing panel 4-37
  - for Find panel 4-71
  - guest 9-405
  - introduction 1-18
  - obtaining 4-8
  - of sender of a letter 3-117
  - prompting for 4-6 to 4-8, 4-25 to 4-28
    - . *See also* local identity; specific identity
- idle processing
  - AOCE templates 5-157 to 5-158
- image block information structure 3-28
- image content
  - adding to a letter 3-16, 3-88
  - preparing for a letter 3-123
- image files
  - drawing results function 3-42
  - drawing routine 3-39
  - new page function 3-41
  - sending 3-37 to 3-41
  - indirect addressing 7-14 to 7-17
    - attribute type 7-15
    - queue name type 7-16
- info page. *See* information page
- information cards 162
  - defined 5-5
  - dragging and dropping 5-28, 5-171
  - use of 1-6
- information page
  - automatically opening for new sublist item 5-96
  - callback routines
    - property changed 5-233
    - property dirtied 5-233
  - code resource routines 5-158 to 5-169
    - conditional views 5-166
    - keypress routine 5-163
    - maximum text length 5-166
    - overriding normal opening 5-158
    - pasting text 5-164
    - property changed 5-167
    - property dirtied 5-167
    - saving property values 5-168
    - setting default values 5-159
  - conditional views
    - defined 5-26
    - implementing 5-131 to 5-136
    - sample 5-40 to 5-43
  - creating from an aspect 5-17
  - custom views
    - code resource callback routines 5-242 to 5-245
    - code resource routines 5-192 to 5-194
      - defined 5-130
      - getting bounds 5-244
      - getting reference value 5-242
    - example 1-6
    - opening 5-158
    - relation to multiple aspects 5-18
    - sublist sample code 5-43 to 5-52
    - updating 5-168
    - window size 5-97
  - information page templates
    - applying to new record or attribute types 5-139, 5-155
    - attribute sample code 5-52 to 5-58
    - components of 5-119 to 5-138
    - custom window resource 5-97
    - custom window sample code 5-58 to 5-65
    - defined 5-11

- described 5-14
- determining quantity 5-205
- disabling 5-140
- for attribute in sublist 5-23
- for record in sublist 5-24
- how they work 5-15 to 5-30
- naming information page 5-137
- page-selection pop-up menu 5-97
- record sample code 5-36 to 5-40
- relation to aspects and records 5-11
- resources 5-120 to 5-138
- signature resource 5-121 to 5-123
- specifying the main view aspect 5-136
- sublist 5-136
- view list 5-123 to 5-131
- view types 5-127 to 5-130
- information page template target selector 5-145
- initiator of authentication process 9-409
- intermediary
  - defined 9-406
  - obtaining proxy 9-442
  - obtaining record ID 9-455
- interprogram messages. *See* messages
- interprogram messaging addresses. *See* addresses
- Interprogram Messaging Manager 7-3 to 7-158
  - application-defined functions for 7-114 to 7-116
    - completion routine 7-114
  - data structures for 7-24 to 7-41
    - delivery notification 7-28 to 7-34
    - message addressing structures 7-24 to 7-26
    - message and block types 7-26 to 7-28
  - functions in 7-42 to 7-114
    - calling asynchronously or synchronously 7-41
    - calling from assembly language 7-43, 7-107
    - completion routines 7-41
    - creating a new message 7-43 to 7-68
    - deleting messages 7-105 to 7-107
    - listing and reading messages 7-80 to 7-105
    - managing message queues 7-68 to 7-80
    - utilities 7-107 to 7-114
  - introduction 1-13
  - relationship to Standard Mail Package 7-3
  - services provided 7-4
  - testing for availability 7-17
  - testing for version number 7-17, 7-38
- Interprogram Messaging parameter block header 7-40
- In Tray
  - getting information about a letter 3-93
  - obtaining letter descriptor of next item to open 3-97
- I/O tasks
  - advantage of packed structures for 2-5
- IPMAddRecipient function 7-50 to 7-51
- IPMAddReplyQueue function 7-52
- IPM addresses. *See* addresses
- IPMBlockType data type 7-28
- IPMChangeQueueFilter function 7-74
- IPMCloseContext function 7-77
- IPMCloseMsg function 7-104 to 7-105
- IPMCloseQueue function 7-76
- IPMCreatQueue function 7-69 to 7-70
- IPMDelteMsgRange function 7-106 to 7-107
- IPMDelteQueue function 7-78
- IPMEndMsg function 7-65 to 7-68
- IPMEntityNameExtension data type 7-26
- IPMEntnAttributeExtension data type 7-26
- IPMEntnQueueExtension data type 7-26
- IPMEnumerateQueue function 7-80 to 7-82
- IPMFiltter data type 7-35
- IPMFixedHdrInfo data type 7-38
- IPMGetBlkIndex function 7-96
- IPMGetMsgInfo function 7-87
- IPM Manager. *See* Interprogram Messaging Manager
- IPMMsgID data type 7-32
- IPMMsgInfo data type 7-36
- IPMMsgType data type 7-28
- IPMNestMsg function 7-59 to 7-61
- IPMNewBlock function 7-53 to 7-55
- IPMNewHFSMsg function 7-47 to 7-50
- IPMNewMsg function 7-43 to 7-47
- IPMNewNestedMsgBlock function 7-56 to 7-59
- IPMNotificationType data type 7-31
- IPMOpenBlockAsMsg function 7-86 to 7-87
- IPMOopenContext function 7-70
- IPMOpenHFSMsg function 7-84
- IPMOopenMsg function 7-82 to 7-84
- IPMOopenQueue function 7-72 to 7-74
- IPMReadHeader function 7-89 to 7-92
- IPMReadMsg function 7-98 to 7-101
- IPMReadRecipient function 7-92 to 7-94
- IPMReadReplyQueue function 7-95 to 7-96
- IPMReportBlockHeader data type 7-33
- IPMSender data type 7-40
- IPMSingleFilter data type 7-34
- IPMTOC data type 7-37
- IPMVerifySignature function 7-102 to 7-103
- IPMWriteMsg function 7-61 to 7-65
- isAlias lookup-table flag 5-109
- isRecordRef lookup-table flag 5-109
- issue time of credentials 9-455
- item types for drop operations 5-203

## J

---

- justified text
  - in AOCE templates 5-127

**K**


---

kDETAddNewItem metaprovider 5-87  
 kDETAAspectAliasGender resource ID offset 5-94  
 kDETAAspectAliasKind resource ID offset 5-93  
 kDETAAspectAliasWhatIs resource ID offset 5-94  
 kDETAAspectAttrDragIn resource ID offset 5-100  
 kDETAAspectBalloons resource ID offset 5-105  
 kDETAAspectCategory resource ID offset 5-91  
 kDETAAspectDragInString resource ID offset 5-101  
 kDETAAspectDragInSummary resource ID offset 5-102  
 kDETAAspectDragInVerb resource ID offset 5-101  
 kDETAAspectDragOut resource ID offset 5-102  
 kDETAAspectExternalCategory resource ID  
     offset 5-92  
 kDETAAspectGender resource ID offset 5-93  
 kDETAAspectInfoPageCustomWindow resource ID  
     offset 5-97  
 kDETAAspectKind resource ID offset 5-91  
 kDETAAspectLookup resource ID offset 5-108 to 5-119  
 kDETAAspectMainBitmap resource ID offset 5-90  
 kDETAAspectName property 5-86  
 kDETAAspectName resource ID offset 5-95  
 kDETAAspectNewEntryName resource ID offset 5-95  
 kDETAAspectNewMenuName resource ID offset 5-94  
 kDETAAspectnewValue resource ID offset 5-96  
 kDETAAspectRecordCatDragIn resource ID  
     offset 5-99  
 kDETAAspectRecordDragIn resource ID offset 5-99  
 kDETAAspectReverseSort resource ID offset 5-104  
 kDETAAspectSublistOpenOnNew  
     metaprovider 5-87, 5-96  
 kDETAAspectSublistOpenOnNew resource ID  
     offset 5-96  
 kDETAAspectTemplateNumber metaprovider 5-86  
 kDETAAspectTemplate target selector 5-145  
 kDETAAspectViewMenu resource ID offset 5-103  
 kDETAAspectWhatIs resource ID offset 5-93  
 kDETAttributeAccessMask metaprovider 5-87  
 kDETAttributeType resource ID offset 5-76, 5-77  
 kDETAttributeValueTag resource ID offset 5-77  
 kDETcmdAboutToTalk template callback  
     routine 5-200  
 kDETcmdAddMenu template callback routine 5-238  
 kDETcmdAttributeChange template-provided  
     routine 5-178  
 kDETcmdAttributeCreation template-provided  
     routine 5-175  
 kDETcmdAttributeDelete template-provided  
     routine 5-180  
 kDETcmdAttributeNew template-provided  
     routine 5-176  
 kDETcmdBeep template callback routine 5-198  
 kDETcmdBreakAttribute template callback  
     routine 5-224

kDETcmdBusy template callback routine 5-200  
 kDETcmdChangeCallFor template callback  
     routine 5-198  
 kDETcmdCloseEdit template callback routine 5-212  
 kDETcmdConvertFromNumber template-provided  
     routine 5-190  
 kDETcmdConvertFromRString template-provided  
     routine 5-191  
 kDETcmdConvertToNumber template-provided  
     routine 5-188  
 kDETcmdConvertToString template-provided  
     routine 5-189  
 kDETcmdCustomMenuEnabled template-provided  
     routine 5-194  
 kDETcmdCustomMenuSelected template-provided  
     routine 5-195  
 kDETcmdCustomViewDraw template-provided  
     routine 5-192  
 kDETcmdCustomViewMouseDown template-provided  
     routine 5-193  
 kDETcmdDirtyProperty template callback  
     routine 5-233  
 kDETcmdDoPropertyCommand template callback  
     routine 5-245  
 kDETcmdDoSync template-provided routine 5-186  
 kDETcmdDropMeQuery template-provided  
     routine 5-170  
 kDETcmdDropQuery template-provided routine 5-172  
 kDETcmdDynamicForwarders template-provided  
     routine 5-155  
 kDETcmdDynamicResource template-provided  
     routine 5-156  
 kDETcmdExit template-provided routine 5-151  
 kDETcmdGetCommandItemN template callback  
     routine 5-202 to 5-205  
 kDETcmdGetCommandSelectionCount template  
     callback routine 5-201  
 kDETcmdGetCustomViewBounds template callback  
     routine 5-244  
 kDETcmdGetCustomViewUserReference template  
     callback routine 5-242  
 kDETcmdGetDSSpec template callback routine 5-209  
 kDETcmdGetOpenEdit template callback  
     routine 5-211  
 kDETcmdGetPropertyBinarySize template  
     callback routine 5-218  
 kDETcmdGetPropertyBinary template callback  
     routine 5-219  
 kDETcmdGetPropertyChanged template callback  
     routine 5-221  
 kDETcmdGetPropertyEditable template callback  
     routine 5-222  
 kDETcmdGetPropertyNumber template callback  
     routine 5-216

kDETcmdGetPropertyRString template callback  
     routine 5-217

kDETcmdGetPropertyType template callback  
     routine 5-214

kDETcmdGetResource template callback  
     routine 5-207

kDETcmdGetTemplateFSSpec template callback  
     routine 5-206

kDETcmdIdle template-provided routine 5-157

kDETcmdInit template-provided routine 5-150

kDETcmdInstanceExit template-provided  
     routine 5-154

kDETcmdInstanceInit template-provided  
     routine 5-152

kDETcmdItemNew template-provided routine 5-153

kDETcmdKeyPress template-provided routine 5-163

kDETcmdMaximumTextLength template-provided  
     routine 5-166

kDETcmdMenuItemRString template callback  
     routine 5-241

kDETcmdOpenDSSpec template callback routine 5-210

kDETcmdOpenSelf template-provided routine 5-158

kDETcmdPaste template-provided routine 5-164

kDETcmdPatternIn template-provided routine 5-182

kDETcmdPatternOut template-provided  
     routine 5-184

kDETcmdPropertyCommand template-provided  
     routine 5-159

kDETcmdPropertyDirtied template-provided  
     routine 5-167

kDETcmdRemoveMenu template callback routine 5-240

kDETcmdRequestSync template callback  
     routine 5-237

kDETcmdSaveProperty template callback  
     routine 5-234

kDETcmdSelectedSublistCount template callback  
     routine 5-236

kDETcmd SetPropertyBinary template callback  
     routine 5-229

kDETcmd SetPropertyChanged template callback  
     routine 5-231

kDETcmd SetPropertyEditable template callback  
     routine 5-232

kDETcmd SetPropertyNumber template callback  
     routine 5-227

kDETcmd SetPropertyRString template callback  
     routine 5-228

kDETcmd SetPropertyType template callback  
     routine 5-225

kDETcmdShouldSync template-provided  
     routine 5-185

kDETcmdSublistCount template callback  
     routine 5-235

kDETcmdTemplateCounts template callback  
     routine 5-205

kDETcmdUnloadTemplates template callback  
     routine 5-208

kDETcmdValidateSave template-provided  
     routine 5-168

kDETcmdViewListChanged template-provided  
     routine 5-166

kDETNodeAccessMask metaproPERTY 5-87

kDETDSPEC target selector 5-144

kDETForwarderTemplateName resource ID  
     offset 5-139

kDETRInfoPageMainViewAspect resource ID  
     offset 5-136

kDETRInfoPageMenuEntries resource ID offset 5-137

kDETRInfoPageName resource ID offset 5-137

kDETRInfoPageNumber metaproPERTY 5-86

kDETRInfoPageTemplateNumber metaproPERTY 5-87

kDETRInfoPageTemplate target selector 5-145

kDETKillName resource ID offset 5-140

kDETOpenSelectedItems metaproPERTY 5-87

kDETParent target selector 5-144

kDETPastFirstLookup metaproPERTY 5-86, 5-168

kDETPPrimaryAddMask metaproPERTY 5-87

kDETPPrimaryChangeMask metaproPERTY 5-87

kDETPPrimaryChangePrvsMask metaproPERTY 5-87

kDETPPrimaryDeleteMask metaproPERTY 5-87

kDETPPrimaryMaskByBit metaproPERTY 5-87

kDETPPrimaryRenameMask metaproPERTY 5-87

kDETPPrimarySeeMask metaproPERTY 5-87

kDETPrKind metaproPERTY 5-86

kDETPrName metaproPERTY 5-86, 5-95

kDETPrTypeBinary property type 5-84

kDETPrTypeNumber property type 5-84

kDETPrTypeString property type 5-84

kDETRecordAccessMask metaproPERTY 5-87

kDETRecordType resource ID offset 5-76

kDETRemoveSelectedItems metaproPERTY 5-87

kDETSelectedSublistItem target selector 5-144

kDETSelfOtherAspect target selector 5-144

kDETSublistItem target selector 5-144

kDETTemplateName resource ID offset 5-75

Key Chain  
     disabling 9-434  
     introduction 1-18  
     locking 9-431  
         *. See also local identity* 9-431  
         unlocking 9-433

Key Chain Access Code 4-6

Key Chain templates A-4

key-down events  
     determining if a mailer is the target 3-31  
     in information page 5-163  
     specifying if a mailer is the target 3-54  
     specifying the active window 3-124

keypress

- AOCE template code resource routine 5-163
- keys, cryptographic
  - adding a client key to a catalog 9-419
  - binding to a specific identity 9-435
  - changing a client key in a catalog 9-420
  - client 9-400
  - decryption 6-4
  - deleting a client key from a catalog 9-422
  - encryption 6-4
  - management 9-417 to 9-424
  - obtaining for challenge 9-440
  - session 9-400, 9-455
  - translating a password into a client key 9-417
  - unbinding from a specific identity 9-437
- key structure 9-416
- killer templates 5-12, 5-15
  - components of 5-140 to 5-141
  - resources 5-140 to 5-141
  - signature resource 5-140
- kind
  - attribute 5-91
  - attribute alias 5-93
  - record
    - gender 5-93
    - specifying 5-91
  - record alias
    - gender 5-94
    - specifying 5-93
- kIPMFamilyUnspecified** message family type 7-35
- kIPMFamilyWildCard** message family type 7-35
- kMailFamilyFile** message family type 7-35
- kMailFamily** message family type 7-35
  


---

- L**
- 'leeq' lookup table element 5-113
- 'less' lookup table element 5-112
- letter descriptor 3-27
- LetterDescriptor** data type 3-27
- letter information structure 3-27
- letter parameter block 3-29
- letters
  - adding a block 3-91 to 3-93
  - adding a main enclosure 3-90
  - adding content 3-13
  - adding image content 3-16, 3-88
  - adding native-format content 3-14
  - adding standard-interchange-format content 3-15, 3-85 to 3-88
- Apple event handler 3-17
- blocks 3-7
- checking for digital signatures 3-83
- close-options dialog box 3-60
- closing 3-20, 3-21, 3-59 to 3-63
- content changed 3-76
- drawing image content 3-123
- enclosures 3-7, 3-39
- expanding group addresses 3-44
- extending the send-options dialog box 3-125
- formats of 3-7
- forwarding 3-19 to 3-20, 3-49
- getting information about a letter in the In Tray 3-93
- identity of sender 3-117
- image-drawing results function 3-42
- image-drawing routine 3-39
- main enclosure 3-7
- nested 3-8, 7-5
- new page function 3-41
- obtaining letter descriptor of next letter to open 3-97
- opening 3-18, 3-94 to 3-96
- reading 3-93 to 3-107
  - blocks 3-106
  - converting font numbers to font names 3-102
  - getting information about blocks 3-104
  - getting main enclosure 3-103
  - standard interchange format content 3-98 to 3-102
- replying to 3-19 to 3-20, 3-51
- saving
  - beginning 3-77 to 3-80
  - ending 3-80

. *See also* mail; messages
- send formats 3-34
- sending 3-37 to 3-41, 3-72 to 3-93
  - beginning 3-81 to 3-83
  - ending 3-84
  - send-options dialog box 3-73 to 3-76
- send options 3-34
- standard interchange format 3-7
- structure 3-7
- tags 3-58
- LetterSpec** data type 3-35, 5-204
- letter-specification structure 3-35, 5-204
- local identity
  - changing password 9-429
  - defined 4-6, 166, 9-404
  - getting 9-424
  - introduction 1-18
  - locking 9-404, 9-431
  - management 9-424 to 9-434
  - prompting for 4-25 to 4-28
  - removing 9-433
  - . *See also* notification queue, local identity
  - setting up 9-428
  - unlocking 9-404, 9-432
- LocalRecordID** data type
  - 2-27 to 2-28
  - checking equality of 2-81
  - copying 2-80

creating 2-79  
manipulating 2-79 to 2-82  
local record identifiers  
  checking equality of 2-81  
  copying 2-80  
  creating 2-79  
  data type defined 2-27 to 2-28  
  manipulating 2-79 to 2-82  
'long' lookup table element 5-111  
lookup table 5-105 to 5-119  
  block and size elements examples 5-116 to 5-118  
  code resource routines 5-182 to 5-185  
    converting property values to attribute  
      values 5-184  
    parsing attribute values 5-182  
  defined 5-25  
  described 5-106  
  elements that repeat patterns 5-115  
  flags 5-109 to 5-110  
  format of 5-107  
  mechanism 5-25  
  overriding default property types 5-119  
  pattern elements 5-111 to 5-119  
    basic 5-111  
    block 5-113 to 5-118  
    cancel processing 5-119  
    conditional 5-112  
    custom 5-118  
    property type 5-119  
    size 5-115 to 5-118  
  providing your own elements 5-118  
  resource 5-108 to 5-110  
'lsize' lookup table element 5-115

## M

---

mail  
  displaying the send-options dialog box 3-11  
  forwarding 3-19 to 3-20  
  obtaining letter descriptor of next item in In  
    Tray 3-97  
  opening 3-18, 3-94 to 3-96  
  reading 3-93 to 3-107  
  receiving 3-17 to 3-19  
    Apple event handler 3-17  
  replying to 3-19 to 3-20, 3-51  
  saving  
    beginning 3-77 to 3-80  
    ending 3-80  
  . See also letters; messages  
  sending 3-11 to 3-16, 3-72 to 3-93  
    adding image content 3-16  
    adding letter content 3-13

adding native-format content 3-14  
adding standard-interchange-format content 3-15  
beginning 3-81 to 3-83  
ending 3-84  
extending the send-options dialog box 3-125  
main routine 3-12  
send-options dialog box 3-73 to 3-76  
mailbox, letter tags 3-58  
mailers  
  adding to a window 3-9 to 3-11, 3-46  
  Balloon Help 3-66  
  basic support 3-7  
  closing 3-59 to 3-63  
    close-options dialog box 3-60  
    deallocating the mailer 3-61  
    determining if possible 3-59  
  cursor 3-66  
  defined 3-4  
  determining if a mailer can be forwarded 3-31, 3-50  
  determining if a mailer is the target 3-31  
  determining whether the mailer has been  
    changed 3-31  
  disposing 3-61  
  drawing 3-72  
  drawing cover pages 3-108  
  drawing-preparation function 3-122  
Edit menu  
  determining which commands to enable 3-69  
  handling commands 3-25, 3-67  
    Undo command 3-70  
event handling 3-63 to 3-67  
expanding and contracting 3-56, 3-66  
forwarding 3-49  
full support 3-7  
functions 3-45 to 3-122  
getting and setting contents 3-110 to 3-122  
getting information  
  determining buffer size 3-110  
  From, Subject, and Sent fields 3-111  
  Recipients and Enclosure fields 3-113 to 3-115  
handling mailer events 3-21 to 3-25, 3-63 to 3-72  
  mouse clicks 3-24  
  processing events 3-22  
initializing mailer functions 3-46  
initially expanded or contracted 3-47, 3-52  
introduction 3-4 to 3-6  
moving 3-57  
position 3-47  
preparing cover pages 3-107  
printing and imaging 3-107 to 3-109  
replying to 3-51  
sample 3-9 to 3-11  
setting information  
  Enclosures field 3-120 to 3-122  
  Enclosures field of a mailer 3-119

From field 3-117  
 Recipients field 3-118  
 Subject field 3-116  
 specifying target of key-down events 3-54  
 standard dimensions 3-48  
 target components 3-32  
 updating 3-72  
   using Tab key to move among fields 3-53 to 3-56  
 mailer set 3-4  
 mailer-state structure 3-30 to 3-34  
 Mail menu  
   adding a mailer 3-47  
   adding a tag to a letter 3-58  
   closing and deleting a letter 3-60, 3-62  
   forwarding a letter 3-50  
   removing a mailer 3-62  
   replying to a letter 3-52  
   when to enable and disable items for mailers 3-31  
 'mail' message family type 7-35  
 MailSegmentType data type 3-86  
 MailTime data type 3-112  
 main aspects  
   defined 5-18  
   for attributes 5-20  
   for records 5-19  
 main aspect templates 5-88 to 5-98  
   attribute sample code 5-52 to 5-58  
   custom information page sample code 5-58 to 5-65  
   for attributes 5-22  
   for records 5-21  
   help balloons 5-93, 5-94  
   record sample code 5-30 to 5-33  
   resources used by 5-89 to 5-98  
   specifying attribute category 5-91  
   specifying attribute external category 5-92  
   specifying attribute kind 5-91  
   specifying record category 5-91  
   specifying record external category 5-92  
   specifying record kind 5-91  
 main enclosures  
   adding to a letter 3-90  
   defined 3-7  
   getting 3-103  
 main view aspect 5-20, 5-136  
 master name 166  
 matching criteria types 195  
 menu commands  
   Add Mailer (Mail menu) 3-47  
   Close and Delete (File menu) 3-60, 3-62  
   Forward (Mail menu) 3-50  
   Lock Key Chain (Special menu) 9-431  
   New (Catalogs menu) 5-94  
   Open (File menu) 3-95  
   Remove Mailer (Mail menu) 3-62  
   Reply (Mail menu) 3-52  
 Reply to All (Mail menu) 3-52  
 Save (File menu) 3-80  
 Tag (Mail menu) 3-58  
 Undo (Edit menu) 3-33, 3-70  
 Unlock Key Chain (Special menu) 9-433  
 menus  
   Catalogs menu. *See Catalogs menu*  
   implementing for the Find panel 4-79  
   Mail menu. *See Mail menu*  
   Special. *See Special menu*  
   View menu. *See View menu*  
 Menu view type 5-129, 5-162  
 message addressing structures 7-24 to 7-26  
   attribute extension type 7-26  
   converting a recipient structure to a byte stream 7-111, 7-115  
   determining size for packed recipient structure 7-108  
   entity name extension 7-26  
   packed recipient structure 7-25  
   packing a recipient structure 7-109  
   queue name extension type 7-26  
   recipient structure 7-24  
   unpacking a packed recipient structure 7-110  
   utility functions 7-107 to 7-114  
 message blocks  
   current 7-62  
   getting type and index 7-96  
   nested message 7-59 to 7-61  
   nesting 7-56 to 7-59  
   reading data 7-98 to 7-101  
   starting 7-53 to 7-55  
   TOC in message header 7-7  
   writing data to 7-61 to 7-65  
 message family 7-7, 7-35  
 message ID structure 7-32  
 message information structure 7-36 to 7-37  
 message mark 7-63, 7-100  
 message queues  
   closing 7-22  
   context  
     closing 7-22, 7-77  
     creating 7-70  
     defined 7-9  
   creating 7-20  
   defined 1-15  
   deleting messages 7-105 to 7-107  
   described 7-8 to 7-9  
   enumerating 7-80 to 7-82  
   filters  
     changing 7-74  
     filter structure 7-35  
     general description 7-8  
     single filter structure 7-34  
     specifying 7-21  
   filter structures 7-34 to 7-35

managing 7-20 to 7-22, 7-68 to 7-80  
 opening 7-20, 7-72 to 7-74  
 physical  
   creating 7-69 to 7-70  
   defined 7-8  
   deleting 7-78  
   enumerating 7-21  
 reference number 7-8  
 virtual  
   closing 7-76  
   creating 7-21, 7-72 to 7-74  
   defined 7-8

messages  
   adding a nested message 7-59 to 7-61  
   adding a recipient 7-50 to 7-51  
   adding a reply queue 7-52  
   block index 7-96  
   block type 7-96  
   canceling 7-67  
   closing 7-104 to 7-105  
   closing all messages in a context 7-77  
   creating 7-18 to 7-20, 7-43 to 7-68  
    adding information 7-19  
    initiating 7-18  
   deleting 7-105 to 7-107  
   described 7-4 to 7-7  
   digital signature  
    adding 7-67  
    header field 7-7  
    verifying 7-102 to 7-103  
   duplicate 7-18  
   ending 7-20, 7-65 to 7-68  
   family types 7-35  
   header  
    authentication field 7-7  
    contents of 7-6  
    delivery notification field 7-6  
    digital signature field 7-7  
    fixed header information 7-38  
    information about 7-37 to 7-39, 7-89 to 7-96  
    message family field 7-7  
    priority field 7-6  
    process hint field 7-7  
    recipient location information 7-7  
    recipients field 7-92 to 7-94  
    reply queue field 7-7, 7-95 to 7-96  
    sender field 7-7  
    table of contents 7-7  
    TOC information structure 7-37  
   information about 7-36 to 7-40, 7-87 to 7-98  
    header fields 7-89 to 7-96  
    message in queue 7-87  
    recipients 7-92 to 7-94  
    reply queue 7-95 to 7-96  
   listing 7-80 to 7-82

modes for reading 7-100  
 modes for writing 7-63  
 nested  
   defined 7-5  
   number of levels 7-19  
   structure of 7-5  
 opening  
   HFS file 7-84  
   in a message queue 7-82 to 7-84  
   nested message 7-86 to 7-87  
 originator of 7-7  
 priority 7-6, 7-34  
 process hint 7-37  
 queues. *See* message queues  
 reading 7-22 to 7-23, 7-80 to 7-105  
   block type and index 7-96  
   closing 7-104 to 7-105  
   data 7-98 to 7-101  
   digital signatures 7-102 to 7-103  
   header fields 7-89 to 7-96  
   opening a nested message 7-86 to 7-87  
   opening an HFS file 7-84  
   opening the message 7-82 to 7-84  
   recipients 7-92 to 7-94  
   reply queue 7-95 to 7-96  
   recipients 7-92 to 7-94  
   reply queue 7-95 to 7-96  
   report 7-9 to 7-10  
    contents 7-10  
    options 7-9  
   saving 7-47 to 7-68  
   *. See also* letters; mail 7-3  
   sender structure 7-40  
   sending 7-43 to 7-47, 7-50 to 7-68  
   starting a block 7-53 to 7-55  
   starting a message to be saved 7-47 to 7-50  
   starting a message to be sent 7-43 to 7-47  
   starting a nested message block 7-56 to 7-59  
   structure of 7-4 to 7-5  
   writing data 7-61 to 7-65  
 message type structure 7-28  
 message type values 7-27  
 messaging service access modules. *See* MSAMs  
 metaproperties 5-86 to 5-87  
 mouse-down events  
   in information page custom view 5-194  
   in mailers 3-24  
   'msam' file type 5-73  
 MSAMs (messaging service access modules)  
   Direct Dialup 7-3  
 multiple aspects and information pages 5-18  
 MyCompletion function 9-464  
 MyCompletionRoutine function ?? to 309  
 MyCompletionRoutine function 7-114, 308 to ??  
 MyDrawImage function 3-123

MyDrawImageProc function 3-16  
 MyDSSpecStreamer function 2-106  
 MyFindPanelBusyProc function 4-95  
 MyForEachADAPDirectory function 318  
 MyForEachAttributeAccessControl function 321  
 MyForEachAttrType function 310  
 MyForEachAttrTypeLookup function 313 to 314  
 MyForEachAttributeValue function 314 to 315  
 MyForEachDirectory function 311  
 MyForEachDirEnumSpec function 315 to 316  
 MyForEachDNodeAccessControl function 319  
 MyForEachLookupRecordID function 312  
 MyForEachRecordAccessControl function 320  
 MyForEachRecordID function 309 to 310  
 MyFrontWindowCB function 3-124  
 MyNotificationProc function 9-465  
 MyPanelBusyProc function 4-94  
 MyPrepareMailerForDrawing function 3-122  
 MyRecipientStreamer function 7-115  
 MySendOptionsFilterProc function 3-125  
 MyStatusCallBack function 6-54 to 6-55  
 MyValidatePackedPathName function 2-11

## N

---

name  
   of alias 5-86  
   of attribute 5-86, 5-95  
   of record 5-86  
 name (of owner or issuer of a certificate) 6-9 to 6-11  
 name attribute information structure 6-26 to 6-27  
 name attributes (distinguished) 6-9 to 6-11  
 Name-Binding Protocol (NBP)  
   and IPM addresses 7-12  
 name resource for AOCE templates 5-75  
 native content  
   adding to a letter as a main enclosure 3-90  
   adding to a letter as blocks 3-91 to 3-93  
   getting information about blocks in a letter 3-104  
   getting the main enclosure of letter 3-103  
   reading blocks in a letter 3-106  
 native format 3-104  
 native name 9-458  
 NBP. *See* Name-Binding Protocol  
 nested letters 3-8, 7-5  
 nested messages  
   adding a message as a nested message block 7-59 to 7-61  
   defined 7-5  
   number allowed 7-19  
   starting a new block 7-56 to 7-59  
 networks

extracting information about PowerShare catalogs  
   on 236 to 237  
 finding PowerShare catalogs on 232 to 234  
 getting information about PowerShare catalogs  
   on 234 to 235  
 locating 209 to 210  
 NetworkSpec data type 2-23  
 new-attribute dialog box 5-94  
 'nods' resource type 6-22  
 notification queue, local identity  
   adding to 9-426  
   defined 9-405  
   manipulating 9-426 to 9-428  
   notification function 9-465  
   removing from 9-427  
   sample 9-411  
   using 9-411 to 9-414  
 notification type 7-31  
 'nteq' lookup table element 5-112  
 number property 5-13  
 number property type 5-84

## O

---

object types for drop operations 5-203  
 OCEAttributeTypeIndex data type 2-40  
 OCECopyCreationID function 2-52  
 OCECopyDirDiscriminator function 2-63  
 OCECopyLocalRecordID function 2-80  
 OCECopyPackedDSSpec function 2-95  
 OCECopyPackedPathName function 2-55  
 OCECopyPackedRecordID function 2-89  
 OCECopyPackedRLI function 2-70  
 OCECopyRecordID function 2-86  
 OCECopyRLI function 2-67  
 OCECopyRString function 2-45  
 OCECopyShortRecordID function 2-83  
 OCECreatorType data type 3-28, 7-27  
 OCEToRString function 2-46  
 OCEDNodeNameCount function 2-58  
 OCEDuplicateRLI function 2-66  
 OCEEEqualCreationID function 2-52  
 OCEEEqualDirDiscriminator function 2-64  
 OCEEEqualDSSpec function 2-99  
 OCEEEqualLocalRecordID function 2-81  
 OCEEEqualPackedDSSpec function 2-100  
 OCEEEqualPackedPathName function 2-61  
 OCEEEqualPackedRecordID function 2-92  
 OCEEEqualPackedRLI function 2-76  
 OCEEEqualRecordID function 2-87  
 OCEEEqualRLI function 2-68  
 OCEEEqualRString function 2-50  
 OCEEEqualShortRecordID function 2-84

OCEExtractAlias function 2-78  
 OCEGetAccessControlDSSpec function 290  
 OCEGetDirectoryRootPackedRLI function 2-78  
 OCEGetDSSpecInfo function 2-103  
 OCEGetExtensionType function 2-105  
 OCEGetIndAttributeType function 2-94  
 OCEGetIndRecordType function 2-85  
 OCEGetRecipientType function 7-113  
 OCEIsNullPackedPathName function 2-56  
 OCENewLocalRecordID function 2-79  
 OCENewRecordID function 2-86  
 OCENewRLI function 2-64  
 OCENewShortRecordID function 2-82  
 OCENullCID function 2-53  
 OCEPackDSSpec function 2-97  
 OCEPackedDSSpecSize function 2-96  
 OCEPackedPathNameSize function 2-57  
 OCEPackedRecipient data type  
     creating from OCERecipient data type 7-109  
     defined 7-25  
     determining size 7-108  
     unpacking 7-110  
 OCEPackedRecordIDSize function 2-90  
 OCEPackedRLIPartsSize function 2-73  
 OCEPackedRLISize function 2-71  
 OCEPackPathName function 2-60  
 OCEPackRecipient function 7-109  
 OCEPackRecordID function 2-90  
 OCEPackRLI function 2-71  
 OCEPackRLIParts function 2-74  
 OCEPathFinderCID function 2-54  
 OCEPToRString function 2-47  
 OCERecipient data type  
     'alan' extension type 7-12  
     'aphn' extension type 7-13  
     converting to a byte stream 7-111, 7-115  
     creating from OCEPackedRecipient data  
         type 7-110  
     defined 7-24  
     described 7-10  
     'enrn' extension type 7-14 to 7-17  
         'attr' subtype 7-15  
         'qnam' subtype 7-16  
     getting extension type 7-113  
     illustrated 7-11  
     packing 7-109  
     . *See also* addresses; recipient structure  
     setting extension type 7-112  
     utility functions 7-107 to 7-114  
 OCERecipientReport data type 7-33  
 OCERecordTypeIndex data type 2-28  
 OCERelRString function 2-48  
 OCERToPString function 2-48  
 OCESetCreationIDtoNull function 2-54  
 OCESetRecipientType function 7-112

OCESetupAddDirectoryInfo function 9-460  
 OCESetupChangeDirectoryInfo function 9-461  
 OCESetupGetDirectoryInfo function 9-458  
 OCESetupRemoveDirectoryInfo function 9-462  
 OCESizePackedRecipient function 7-108  
 OCESTreamPackedDSSpec function 2-105  
 OCESTreamRecipient function 7-111  
 OCEUnpackDSSpec function 2-98  
 OCEUnpackPathName function 2-58  
 OCEUnpackRecipient function 7-110  
 OCEUnpackRecordID function 2-91  
 OCEUnpackRLI function 2-72  
 OCEValidPackedDSSpec function 2-102  
 OCEValidPackedPathName function 2-62  
 OCEValidPackedRecordID function 2-93  
 OCEValidPackedRLI function 2-77  
 OCEValidRLI function 2-69  
 OCEValidRString function 2-51  
 Open Documents event  
     opening a letter 3-17  
 owner requestors 170

## P

---

'pabt' file type 4-86  
 packed catalog services specifications  
     checking equality of 2-100  
     computing size of 2-96  
     copying 2-95  
     data type defined 2-37  
     minimum-sized 2-38  
     unpacking 2-6 to 2-10, 2-98  
     validating 2-102  
 PackedDSSpec data type  
     checking equality of 2-100  
     computing size of 2-96  
     copying 2-95  
     defined 2-37  
     unpacking 2-6 to 2-10, 2-98  
     validating 2-102  
 PackedPathName data type  
     checking equality of 2-61  
     computing size of 2-57  
     copying 2-55  
     defined 2-29, 4-23  
     determining number of catalog node names in 2-58  
     determining number of RString structures in 2-58  
     evaluating as null 2-56  
     packing 2-60  
     unpacking 2-58  
     validating 2-62  
 packed pathnames 2-29 to 2-30  
     manipulating 2-55 to 2-63

unpacking 2-29  
 packed pathname structure 4-23  
   . *See also* PackedPathName data type 4-23  
 packed recipient structure  
   creating from recipient structure 7-109  
   defined 7-25  
   determining size 7-108  
   unpacking 7-110  
 PackedRecordID data type  
   checking equality of 2-92  
   computing size of 2-90  
   copying 2-89  
   defined 2-35  
   unpacking 2-91  
   validating 2-93  
 packed record identifiers  
   checking equality of 2-92  
   computing size of 2-90  
   copying 2-89  
   data type defined 2-35  
   manipulating 2-88 to 2-94  
   unpacking 2-91  
   validating 2-93  
 packed record location information  
   checking equality of 2-76  
   computing size of 2-71, 2-73  
   copying 2-70  
   data type defined 2-33  
   extracting an alias from 2-78  
   getting for personal catalogs 244 to 246  
   minimum-sized 2-33  
   unpacking 2-72  
   validating 2-77  
 PackedRLI  
   getting for personal catalogs ?? to 246  
 PackedRLI data type  
   checking equality of 2-76  
   computing size of 2-71, 2-73  
   copying 2-70  
   defined 2-33  
   extracting an alias from 2-78  
   unpacking 2-72  
   validating 2-77  
 PackedRLI data type  
   getting for personal catalogs 244 to ??  
 packed RString list 4-23  
 PackedRStringListHandle data type 4-23  
 packing  
   AOCE data structures 2-5 to 2-10  
   catalog services specification 2-97  
   DSSpec 2-97  
   PackedPathName 2-60  
   RecordID 2-90  
   record identifiers 2-90  
   record location information 2-71, 2-74  
   RLI 2-71, 2-74  
   'padz' lookup table element 5-111  
   page-selection pop-up menu 5-97, 5-137  
   panel-busy callback function  
     for Catalog-Browsing panel 4-94  
     for Find panel 4-95  
     installing for Catalog-Browsing panel 4-35  
     installing for Find panel 4-65  
   PanelBusyProc function 4-94  
   panels. *See* Catalog-Browsing panel; Find panel;  
     Personal-Catalog panel 4-29  
   'panl' resource type 4-34  
   parameter block header 190 to 192  
   parent aspect target selector 5-144  
   parse functions  
     and callback routines and 168  
     using to retrieve access control information 172  
   parsing attributes 5-25  
   . *See also* lookup table  
   partial pathnames 163  
   Pascal strings  
     converting RString to 2-48  
     converting to RString 2-47  
   password  
     adding to PowerTalk Setup catalog 9-460  
     changing for local identity 9-429  
     changing in the PowerTalk Setup catalog 9-461  
     for local identity 9-428  
   Key Chain Access Code 4-6  
   PowerTalk Setup catalog use of 166  
   prompting the user for 6-32 to 6-33  
   removing from PowerTalk Setup catalog 9-462  
   . *See also* authentication; Authentication manager  
   translating into a client key 9-417  
 pasting text  
   AOCE template code resource routine 5-164  
 PathFinder creation ID 2-54  
 pathnames, AOCE  
   defined 2-29 to 2-30, 163  
   getting for dNodes 223 to 225  
   manipulating 2-55 to 2-63  
   packing 2-29  
   using to get dNode numbers 225 to 227  
 pattern-based attribute parsing. *See* lookup table  
 Personal-Catalog panel  
   creating 4-31, 4-34  
   defined 4-9  
   opening the alias of a container 4-60  
   selecting the alias of a container 4-53  
   personal catalog reference number 162  
   personal catalogs  
     closing 243 to 244  
     creating 240 to 241  
     defined 162  
     error when opening 4-28

expanding group addresses 3-44  
 getting packed record location information 244 to 246  
 listing access privileges to 242 to 243  
 listing features supported 242 to 243  
 manipulating 240 to 246  
 opening 242 to 243  
 sorting 4-28  
*physical queues. See physical under message queues*  
 picture segments, in letters 3-87  
 picture view type 5-130  
 pop-up menus  
   AOCE templates  
 adding an item 5-238  
 callback routines 5-238 to 5-242  
 page selection 5-97, 5-137  
 removing an item 5-240  
 returning text of a menu item 5-241  
 view type 5-129  
 Catalog-Browsing panel  
   getting pathname of item 4-40 to 4-42  
   getting size of pathname of item 4-39  
 PowerShare catalogs  
   adding to PowerTalk Setup catalog 229 to 234  
   defined 162  
   extracting information about 236 to 237  
   getting information about 234 to 235  
   making available for use 229 to 234  
   removing from PowerTalk Setup catalog 237 to 239  
   . *See also catalogs* 234  
 PowerShare collaboration servers xix  
 PowerTalk xix  
   . *See also AOCE*  
 PowerTalk built-in templates A-1 to A-4  
   address A-4  
   Group records A-4  
   Key Chain A-4  
   User records A-1 to A-3  
 PowerTalk Extension file 5-12  
 PowerTalk Setup catalog  
   adding catalogs to 229 to 231, 232 to 234  
   defined 166  
   extracting information from catalogs in 199 to 201  
   getting information about catalogs in 196 to 199  
   getting reference number for 239 to 240  
   maintaining 229 to 240  
   master name for 166  
   password for 166  
   removing catalogs from 237 to 239  
 PowerTalk system software xix  
 PrepareMailerForDrawing function 3-122  
 priority of messages 7-6, 7-34  
 private-key encryption 6-4  
 private keys 6-4  
 processes  
   switching between 5-199 to 5-200  
 process hint 7-7  
 process hint, for message 7-37  
 prompt for identity 4-6 to 4-8  
 prompt-for-identity dialog box  
   version number 4-5  
 properties 5-84 to 5-87  
 and aspect templates 5-13  
 AOCE template callback routines  
   getting information 5-213 to 5-222  
   getting property-changed flag 5-221  
   getting property-editable flag 5-222  
   getting size of a binary property 5-219  
   getting types 5-215  
   getting value as a binary block 5-220  
   getting value as an RString 5-217  
   getting value as a number 5-216  
   parsing an attribute value 5-224  
   saving values 5-234  
   setting information 5-223 to 5-235  
   setting property-changed flag 5-231  
   setting property-editable flag 5-232  
   setting property type 5-226  
   setting value as a binary block 5-229  
   setting value as an RString 5-228  
   setting value as a number 5-227  
   type conversions 5-214, 5-223  
 changed value callback routine 5-233  
 changed value code resource routine 5-167  
 converting into attribute values. *See lookup table*  
 creating from attribute values. *See lookup table*  
 custom type conversions 5-188 to 5-192  
   convert from number 5-191  
   convert from RString 5-192  
   convert to number 5-188  
   convert to RString 5-189  
 kDETPrName metaproPERTY 5-95  
 name of attribute value 5-95  
 number range of 5-103  
 saving values 5-168, 5-234  
 synchronizing values 5-28, 5-185 to 5-187, 5-237  
 template-provided routines  
   setting attribute values from properties 5-184  
   setting properties from attribute values 5-182  
 types 5-13  
 updating values 5-168, 5-185 to 5-187, 5-237  
 using resources to set values 5-103  
 property-changed flag  
   getting 5-221  
   setting 5-231  
 property commands 5-159 to 5-163  
   button 5-161  
   callback routine 5-163  
   checkbox 5-161  
   drop operations 5-162

pop-up menu 5-162  
 radio button 5-161  
 sending 5-245  
 sorting sublists 5-128  
 static command text 5-162  
 when the template's property routine is called 5-160  
 property-editable flag  
     getting 5-222  
     setting 5-232  
 property numbers  
     and property categories 5-85  
     and resource IDs 5-103  
     of an edit-text view 5-211  
 property routines, AOCE template 5-158 to 5-169  
 property types 5-84  
     assigning in lookup table 5-119  
     constant properties 5-86  
     conversions 5-188 to 5-192, 5-214, 5-223  
     getting information about 5-215  
     local properties 5-85  
     metaproPERTIES 5-86 to 5-87  
     setting 5-226  
 property values  
     getting as a binary block 5-220  
     getting as an RString 5-217  
     getting as a number 5-216  
     getting size of a binary property 5-219  
     saving 5-168, 5-234  
     setting as a binary block 5-229  
     setting as an RString 5-228  
     setting as a number 5-227  
     synchronizing 5-28, 5-185 to 5-187, 5-237  
     type conversions 5-188 to 5-192  
 'prop' lookup table element 5-118  
 ProtoPackedDSSpec data type 2-38  
 ProtoPackedPathname data type 2-30  
 ProtoPackedRLI data type 2-33  
 ProtoRString data type 2-22  
 proxy  
     creating 9-441  
     defined 9-406  
     trading for credentials 9-443  
     using 9-410  
 pseudonyms  
     adding to a record 256 to 258  
     defined 165  
     deleting 249 to 250  
     deleting from a record 258 to 259  
     displayed in Catalog-Browsing panel 4-31  
     extracting information about 220 to 221, 262 to 264  
     extracting information from 204 to 206  
     getting information about 201 to 204, 215 to 219, 259  
         to 262  
 'pstr' lookup table element 5-111  
 public-key certificates

contents of 6-8 to 6-11  
 defined 6-6  
 getting information from 6-19 to 6-22, 6-45 to 6-54  
 identity of owner or issuer 6-8  
 range of valid dates 6-8  
 signed 6-6  
 public key cryptography 6-4  
 public keys 6-4, 6-8

## Q

---

'qnam' address extension subtype 7-16  
 queue context  
     closing 7-22, 7-77  
     creating 7-70  
     defined 7-9  
     queue filter structure 7-35  
     queue name attribute values for indirect addressing 7-16  
     queue name extension structure 7-26  
     queue reference number 7-8  
 queues  
     messaging. *See* message queues  
     notification. *See* notification queue, local identity  
     reply. *See* reply queue  
 QuickTime movie segments  
     adding to a letter 3-87

## R

---

RadioButton view type 5-129, 5-161  
 RC4Key data type 9-416  
 'rcrd' file type 4-86  
 reading messages 7-22 to 7-23, 7-80 to 7-105  
     block type and index 7-96  
     closing 7-104 to 7-105  
     data 7-98 to 7-101  
     header fields 7-89 to 7-96  
     opening a nested message 7-86 to 7-87  
     opening an HFS file 7-84  
     opening the message 7-82 to 7-84  
     recipients 7-92 to 7-94  
     reply queue 7-95 to 7-96  
     verifying a digital signature 7-102 to 7-103  
 receiving mail 3-17 to 3-19  
     Apple event handler 3-17  
     opening a letter 3-18  
 recipient descriptor 3-25  
 recipient report messages. *See* report messages  
 recipient report structure 7-33  
 recipients

adding to a message 7-50 to 7-51  
 authentication process 9-410  
 expanding group addresses 3-44  
 index 7-33  
 location information in message header 7-7  
 reading 7-92 to 7-94

Recipients field of a mailer  
 adding an address 3-118  
 getting 3-113 to 3-115

RecipientStreamer function 7-115

recipient structure  
 converting to a byte stream 7-111, 7-115  
 creating from packed recipient structure 7-110  
 defined 7-24  
 described 7-10  
 determining buffer size for packing 7-108  
 getting extension type 7-113  
 illustrated 7-11  
 packed 7-25  
 packing 7-109  
*. See also* addresses; OCERecipient data type  
 setting extension type 7-112  
 utility functions 7-107 to 7-114

record alias 165

record creation IDs 2-26 to 2-27  
 defined 165

record ID 2-25 to 2-36  
 allocating a maximum-sized structure 2-16 to 2-19  
 binding to a specific identity 9-435  
 checking equality of 2-87  
 copying 2-86  
 creating 2-86  
 defined 2-34, 164 to 165  
 getting for a specific identity 9-438  
 manipulating 2-85 to 2-88  
 of a catalog in the PowerTalk Setup catalog 9-458  
 of authentication initiator 9-455  
 packed 2-35  
 packing 2-90  
 short 2-35  
 unbinding from a specific identity 9-437

RecordID data type  
 allocating a maximum-sized structure 2-16 to 2-19  
 checking equality of 2-87  
 copying 2-86  
 creating 2-86  
 defined 2-34  
 packing 2-90

record identifiers. *See* record ID

record location information  
 checking equality of 2-68  
 copying 2-67  
 creating 2-64  
 defined 2-32, 165  
 duplicating 2-66

manipulating 2-64 to 2-79  
 packed 2-33  
 packed minimum-sized 2-33  
 packing 2-71, 2-74  
 unpacking 2-72  
 validating 2-69

record names  
 changing 254 to 255  
 getting from creation ID 252 to 253  
 new 5-95

records  
 adding 5-94, 247 to 249  
 adding attribute values to 267 to 268  
 adding pseudonyms to 256 to 258  
 aspect template sample 5-33 to 5-36  
 browsing 4-3  
 categories  
   dropped on other records 5-100  
   listing 4-91  
   listing record types 4-92  
   specifying in an aspect template 5-91  
 changing attribute values in 270 to 272  
 changing name and type 254 to 255  
 creating an aspect from 5-16  
 creation IDs  
   getting 9-446 to 9-448  
   deleting 249 to 250  
 deleting attribute types from 284 to 285  
 deleting attribute values from 269 to 270  
 deleting pseudonyms from 258 to 259  
 determining change in 250 to 252  
 dropping on another record 5-99  
 external category, specifying in an aspect  
   template 5-92  
 extracting access control information for 298 to 301  
 extracting attribute types of 288 to 289  
 extracting attribute values of 280 to 283  
 extracting information about 220 to 221  
 extracting information about pseudonyms 262 to 264  
 extracting information from 204 to 206  
 finding 4-3  
 finding attribute values in 274 to 276  
 gender, of alias 5-94  
 getting access control information for 296 to 298  
 getting attribute types of 285 to 287  
 getting attribute values of 276 to 279  
 getting information about 201 to 204, 215 to 219  
 getting information about pseudonyms 259 to 262  
 getting name and type from creation ID 252 to 253  
 icons for 4-88  
 identifying selection in Catalog-Browsing panel 4-58  
 information page for 5-24  
 kind  
   gender 5-93  
   of alias 5-93

- specifying in an aspect template 5-91
- main aspect 5-19
- main aspect template for 5-21
- main aspect template sample 5-30 to 5-33
- managing 247 to 266
- name 5-86
- name of new 5-95
- new item routine for AOCE templates 5-153
- obtaining dNode numbers 9-446
- obtaining icons for 4-88
- opening selection in Catalog-Browsing panel 4-59
- relation to aspects and AOCE templates 5-11
- specifying AOCE templates for use with 5-139, 5-155
- types displayed in Catalog-Browsing panel 4-32
- types. *See record types*
- verifying attribute values in 272 to 273
- records, AOCE catalog. *See records*
- record-type AOCE template resource 5-75, 5-76
- record types
  - changing 254 to 255
  - defined 165
  - displayed in Catalog-Browsing panel 4-31
  - for AOCE templates 5-75 to 5-77
  - getting from creation ID 252 to 253
  - list of standard 2-28
  - obtaining standard 2-85
  - reference number, message queue 7-8
  - reference value, custom view 5-242
- Regarding field. *See Subject field of a mailer*
- repeat patterns in lookup tables 5-115
- reply, authentication 9-403
- reply queue
  - adding to a message 7-52
  - defined 7-7
- report block header structure 7-33
- report messages 7-9 to 7-10
  - contents 7-10
  - options for 7-9
- reports
  - delivery notification structures 7-28 to 7-34
  - delivery result 7-33
  - message header delivery notification field 7-6
  - nondelivery codes 7-29 to 7-30
  - notification types 7-31 to 7-32
  - recipient index 7-33
  - recipient report 7-33
  - report block header 7-33
- requestors 170 to 171
  - authenticated in catalog 170
  - authenticated in dNode 170
  - friend 170
  - guest 170
  - owner 170
- resolving aliases of AOCE catalog objects 4-85 to 4-88
  - catalog specification structure 4-87
- HFS aliases 4-85
- resource ID offsets
- AOCE templates
  - kDETAspectAliasGender 5-94
  - kDETAspectAliasKind 5-93
  - kDETAspectAliasWhatIs 5-94
  - kDETAspectAttrDragIn 5-100
  - kDETAspectBalloons 5-105
  - kDETAspectCategory 5-91
  - kDETAspectDragInString 5-101
  - kDETAspectDragInSummary 5-102
  - kDETAspectDragInVerb 5-101
  - kDETAspectDragOut 5-102
  - kDETAspectExternalCategory 5-92
  - kDETAspectGender 5-93
  - kDETAspectInfoPageCustomWindow 5-97
  - kDETAspectKind 5-91
  - kDETAspectLookup 5-108 to 5-119
  - kDETAspectMainBitmap 5-90
  - kDETAspectName 5-95
  - kDETAspectNewEntryName 5-95
  - kDETAspectNewMenuName 5-94
  - kDETAspectnewValue 5-96
  - kDETAspectRecordCatDragIn 5-99
  - kDETAspectRecordDragIn 5-99
  - kDETAspectReverseSort 5-104
  - kDETAspectSublistOpenOnNew 5-96
  - kDETAspectViewMenu 5-103
  - kDETAspectWhatIs 5-93
  - kDETAttributeType 5-75, 5-76, 5-77
  - kDETAttributeValueTag 5-77
  - kDETForwarderTemplateNames 5-139
  - kDETInfoPageMainViewAspect 5-136
  - kDETInfoPageMenuEntries 5-137
  - kDETInfoPageName 5-137
  - kDETKillName 5-140
  - kDETRecordType 5-75, 5-76
  - kDETTemplateName 5-75
- resource IDs
  - and property numbers 5-103
  - for AOCE templates 5-75
- resources
  - AOCE templates
    - Add item string
      - (kDETAspectNewMenuName) 5-94
    - alias kind (kDETAspectAliasKind) 5-93
  - aspect templates 5-78 to 5-84
  - aspect template signature resource 5-88
  - attribute category (kDETAspectCategory) 5-91
  - attribute kind (kDETAspectKind) 5-91
  - attribute-tag (kDETAttributeValueTag) 5-77
  - attribute-type (kDETAttributeType) 5-76, 5-77
- Catalogs menu items
  - (kDETInfoPageMenuEntries) 5-137

custom information page  
     (`kDETAAspectInfoPageCustomWindow`) 5-97

drag-in attribute types  
     (`kDETAAspectAttrDragIn`) 5-100

drag-in button label  
     (`kDETAAspectDragInVerb`) 5-101

drag-in description string  
     (`kDETAAspectDragInSummary`) 5-102

drag-in prompt string  
     (`kDETAAspectDragInString`) 5-101

drag-in record categories  
     (`kDETAAspectRecordCatDragIn`) 5-99

drag-in record types  
     (`kDETAAspectRecordDragIn`) 5-99

drag-out attribute types  
     (`kDETAAspectDragOut`) 5-102

drop operations 5-98 to 5-102

dynamic creation of 5-154 to 5-157

external category  
     (`kDETAAspectExternalCategory`) 5-92

file type template signature resource 5-141

forwarder template names  
     (`kDETForwarderTemplateNames`) 5-139

forwarder template signature resource  
     5-139

gender of record alias  
     (`kDETAAspectAliasGender`) 5-94

gender of record kind (`kDETAAspectGender`) 5-93

getting a resource handle 5-207

help-balloon string for aliases  
     (`kDETAAspectAliasWhatIs`) 5-94

help-balloon string for a record or attribute  
     (`kDETAAspectWhatIs`) 5-93

help-balloon string for properties  
     (`kDETAAspectBalloons`) 5-105

icon (`kDETAAspectMainBitmap`) 5-90

information page name  
     (`kDETIInfoPageName`) 5-137

information page template signature  
     resource 5-121

killer template names (`kDETTemplateName`) 5-140

killer template signature resource 5-140

lookup table (`kDETAAspectLookup`) 5-108 to 5-119

main aspect templates 5-89 to 5-98

main view aspect name  
     (`kDETIInfoPageMainViewAspect`) 5-136

New attribute value  
     (`kDETAAspectnewValue`) 5-96

New attribute value name  
     (`kDETAAttributeName`) 5-95

New item string  
     (`kDETAAspectNewMenuName`) 5-94

New record name  
     (`kDETAAspectNewEntryName`) 5-95

open new item  
     (`kDETAAspectSublistOpenOnNew`) 5-96

properties to sort by  
     (`kDETAAspectViewMenu`) 5-103

properties to sort in reverse order  
     (`kDETAAspectReverseSort`) 5-104

record category (`kDETAAspectCategory`) 5-91

record kind (`kDETAAspectKind`) 5-91

record-type (`kDETRecordType`) 5-76

signature. *See* signature resource 5-88

substitution of 5-156

template name (`kDETTemplateName`) 5-75

view list resource 5-123 to 5-130

resource types  
     '`deta`' 5-88  
     '`detb`' 5-96, 5-103  
     '`detc`' 5-84  
     '`deft`' 5-139  
     '`deti`' 5-121  
     '`detk`' 5-140  
     '`detm`' 5-104, 5-137  
     '`detn`' 5-77, 5-103  
     '`detp`' 5-104  
     '`dett`' 5-108  
     '`detv`' 5-123 to 5-130  
     '`detw`' 5-97  
     '`detx`' 5-141  
     '`dsig`' 6-22, 6-36  
     '`find`' 4-63  
     '`nods`' 6-22  
     '`panl`' 4-34  
     '`rst#`' 5-91  
     '`rstr`' 5-75, 5-103  
     used by AOCE templates 5-74

'rest' lookup table element 5-111

RLI data type  
     checking equality of 2-68  
     copying 2-67  
     creating 2-64  
     defined 2-32  
     duplicating 2-66  
     packing 2-71, 2-74  
     validating 2-69

root catalog  
     obtaining 2-78

routine selectors, AOCE template  
     callback routines  
         `kDETcmdAboutToTalk` 5-200  
         `kDETcmdAddMenu` 5-238  
         `kDETcmdBeep` 5-198  
         `kDETcmdBreakAttribute` 5-224  
         `kDETcmdBusy` 5-200  
         `kDETcmdChangeCallFors` 5-198  
         `kDETcmdCloseEdit` 5-212  
         `kDETcmdDirtyProperty` 5-233

kDETcmdDoPropertyCommand 5-245  
 kDETcmdGetCommandItemN 5-202 to 5-205  
 kDETcmdGetCommandSelectionCount 5-201  
 kDETcmdGetCustomViewBounds 5-244  
 kDETcmdGetCustomViewUserReference 5-242  
 kDETcmdGetDSSpec 5-209  
 kDETcmdGetOpenEdit 5-211  
 kDETcmdGetPropertyBinary 5-219  
 kDETcmdGetPropertyBinarySize 5-218  
 kDETcmdGetPropertyChanged 5-221  
 kDETcmdGetPropertyEditable 5-222  
 kDETcmdGetPropertyNumber 5-216  
 kDETcmdGetPropertyRString 5-217  
 kDETcmdGetPropertyType 5-214  
 kDETcmdGetResource 5-207  
 kDETcmdGetTemplateFSSpec 5-206  
 kDETcmdMenuItemRString 5-241  
 kDETcmdOpenDSSpec 5-210  
 kDETcmdRemoveMenu 5-240  
 kDETcmdRequestSync 5-237  
 kDETcmdSaveProperty 5-234  
 kDETcmdSelectedSublistCount 5-236  
 kDETcmd SetPropertyBinary 5-229  
 kDETcmd SetPropertyChanged 5-231  
 kDETcmd SetPropertyEditable 5-232  
 kDETcmd SetPropertyNumber 5-227  
 kDETcmd SetPropertyRString 5-228  
 kDETcmd SetPropertyType 5-225  
 kDETcmd SublistCount 5-235  
 kDETcmdTemplateCounts 5-205  
 kDETcmdUnloadTemplates 5-208  
 template-provided routines  
   kDETcmdAttributeChange 5-178  
   kDETcmdAttributeCreation 5-175  
   kDETcmdAttributeDelete 5-180  
   kDETcmdAttributeNew 5-176  
   kDETcmdConvertFromNumber 5-190  
   kDETcmdConvertFromRString 5-191  
   kDETcmdConvertToNumber 5-188  
   kDETcmdConvertToRString 5-189  
   kDETcmdCustomMenuEnabled 5-194  
   kDETcmdCustomMenuSelected 5-195  
   kDETcmdCustomViewDraw 5-192  
   kDETcmdCustomViewMouseDown 5-193  
   kDETcmdDoSync 5-186  
   kDETcmdDropMeQuery 5-170  
   kDETcmdDropQuery 5-172  
   kDETcmdDynamicForwarders 5-155  
   kDETcmdDynamicResource 5-156  
   kDETcmdExit 5-151  
   kDETcmdIdle 5-157  
   kDETcmdInit 5-150  
   kDETcmdInstanceExit 5-154  
   kDETcmdInstanceInit 5-152  
   kDETcmdItemNew 5-153  
   kDETcmdKeyPress 5-163  
   kDETcmdMaximumTextLength 5-166  
   kDETcmdOpenSelf 5-158  
   kDETcmdPaste 5-164  
   kDETcmdPatternIn 5-182  
   kDETcmdPatternOut 5-184  
   kDETcmdPropertyCommand 5-159  
   kDETcmdPropertyDirtied 5-167  
   kDETcmdShouldSync 5-185  
   kDETcmdValidateSave 5-168  
   kDETcmdViewListChanged 5-166  
 RSA Data Security, Inc. 6-4  
 'rst#' resource type 5-91  
 RString32 data type 2-21  
 RString64 data type 2-20  
 RString data type  
   checking equality of 2-50  
   comparing sort order of 2-48  
   converting Pascal strings to 2-47  
   converting to Pascal strings 2-48  
   defined 2-20  
   determining number in PackedPathName 2-58  
   validating 2-51  
 RStringHeader data type 2-19 to 2-20  
 RStringKind data type 2-24  
 RString list 4-23  
 'rstr' lookup table element 5-111  
 'rstr' resource type 5-75, 5-103

---

## S

---

sample routines  
 DoAddAttributeValue 175  
 DoDisplayCertificateInfo 6-20  
 DoDisplayCertificateSet 6-20  
 DoDisplayCertNameAttribute 6-20  
 DoDisplaySignatureInfo 6-20  
 DoEnumerateAttributeTypes 178  
 DoEnumerateAttributeValues 175  
 DoGetDataToProcess 6-15, 6-17  
 DoGetExtendedCatalogInfo 182  
 DoGetNumSublistItems 5-70  
 DoGetPropertyNumber 5-69  
 DoIdle 5-70  
 DoInitializeASPB 9-411  
 DoInstallNotificationProc 9-411  
 DoNoteQueue 9-413  
 DoProcessAttributeValues 174  
 DoProcessExtendedCatalogInfo 182  
 DoRetrieveSignature 6-17  
 DoSaveSignature 6-15  
 DoSetPropertyNumber 5-70  
 DoUnpackExtendedCatalogInfo 182

DoVerifyData 6-17  
 MyAddAppleMailContent 3-15  
 MyAddLetterBlocks 3-13  
 MyAddLetterImage 3-16  
 MyAddNativeContent 3-14  
 MyAlbumCode 5-68  
 MyAllocateMaxRID 2-17 to 2-18  
 MyBuildMailerWindow 3-10  
 MyCopyingCode 2-14  
 MyCreateFindPanel 4-19  
 MyCreateNewPanel 4-9  
 MyDeallocateMaxRID 2-18 to 2-19  
 MyDisplayDataForSelection 4-15  
 MyDoActivate 4-17  
 MyDoDeactivate 4-17  
 MyDrawImageProc 3-16  
 MyFindPanelDispose 4-20  
 MyGetLocalIdentity 9-412  
 MyGetUserIdentity 4-8  
 MyHandleActivates 4-17  
 MyHandleIdle 4-18  
 MyHandleKeyDownsForPanel 4-13  
 MyHandleMouseUp 4-12  
 MyHandleOpenDoc 3-18  
 MyHandleSREvt 4-17  
 MyHandleUpdates 4-16  
 MyHandleUserSelection 4-15  
 MyInitStandardMail 3-9  
 MyMailerCutCommand 3-25  
 MyMailerEventHandler 3-22  
 MyMailerMouseClickHandler 3-24  
 MyNotificationProc 9-412  
 MyProcessEvent 4-12  
 MyProcessWhatHappened 3-22  
 MyTestForStandardCatalog 4-5  
 MyTestForStandardMail 3-8  
 MyValidatePackedPathName 2-11  
 SAMs (service access modules) 1-14  
 saving a message  
     adding a digital signature 7-67  
     adding a nested message 7-59 to 7-61  
     adding a recipient 7-50 to 7-51  
     adding a reply queue 7-52  
     canceling 7-67  
     ending 7-65 to 7-68  
     starting 7-47 to 7-50  
     starting a block 7-53 to 7-55  
     starting a nested message block 7-56 to 7-59  
     writing data 7-61 to 7-65  
 script code 2-19  
 script structures 194  
 script systems  
     sorting a personal catalog 4-28  
 SDPDisposeFindPanel function 4-75  
 SDPDisposePanel function 4-50  
 SDPEnableFindPanel function 4-69  
 SDPEnablePanel function 4-45  
 SDPFindPanelEvent function 4-76 to 4-78  
 SDPFindPanelFocus data type 4-71  
 SDPFindPanelRecord data type 4-22  
 SDPFindPanelResult data type 4-77  
 SDPFindPanelState data type 4-79  
 SDPGetCategories function 4-91  
 SDPGetCategoryTypes function 4-92  
 SDPGetDSSpecIcon function 4-90  
 SDPGetFindPanelSelection function 4-82  
 SDPGetFindPanelSelectionSize function 4-80  
 SDPGetFindPanelState function 4-79 to 4-80  
 SDPGetIconByType function 4-88  
 SDPGetNewPanel function 4-34 to 4-35  
 SDPGetPanelSelection function 4-58  
 SDPGetPanelSelectionSize function 4-57  
 SDPGetPanelSelectionState function 4-55 to 4-56  
 SDPGetPath function 4-40 to 4-42  
 SDPGetPathLength function 4-39  
 SDPHideFindPanel function 4-67  
 SDPHidePanel function 4-43  
 SDPInstallFindPanelBusyProc function 4-65  
 SDPInstallPanelBusyProc function 4-35  
 SDPMoveFindPanel function 4-74  
 SDPMovePanel function 4-48  
 SDPNewFindPanel function 4-61 to 4-65  
 SDPNewPanel function 4-30 to 4-33  
 SDPOpenSelectedItem function 4-59 to 4-61  
 SDPPanelEvent function 4-52 to 4-54  
 SDPPanelRecord data type 4-21  
 SDPPromptForID function 4-25 to 4-28  
 SDPRemovePersonalDirectory function 4-28  
 SDPResolveAliasDSSpec function 4-87  
 SDPResolveAliasFile function 4-85  
 SDPSelectString function 4-42  
 SDPSetFindIdentity function 4-71  
 SDPSetFindPanelBalloonHelp function 4-66  
 SDPSetFindPanelFocus function 4-70  
 SDPSetFocus function 4-46  
 SDPSetIdentity function 4-37  
 SDPSetPanelBalloonHelp function 4-36  
 SDPSetPath function 4-38  
 SDPShowFindPanel function 4-68  
 SDPShowPanel function 4-44  
 SDPSizePanel function 4-49  
 SDPStartFind function 4-83  
 SDPStopFind function 4-84  
 SDPUpdateFindPanel function 4-72 to 4-73  
 SDPUpdatePanel function 4-47  
 search strings  
     matching criteria 195  
 secret key cryptography 6-4  
 selection  
     in Catalog-Browsing panel 4-55 to 4-59

- in Find panel 4-79 to 4-83
- SendDateTime** field. *See* Sent field of a mailer
- sender** structure 7-39
- send-format** structure 3-34
- sending** a message
  - adding a digital signature 7-67
  - adding a nested message 7-59 to 7-61
  - adding a recipient 7-50 to 7-51
  - adding a reply queue 7-52
  - canceling 7-67
  - ending 7-65 to 7-68
  - starting 7-43 to 7-47
  - starting a block 7-53 to 7-55
  - starting a nested message block 7-56 to 7-59
  - writing data 7-61 to 7-65
- sending mail** 3-11 to 3-16, 3-72 to 3-93
  - adding image content 3-16
  - adding letter content 3-13
  - adding native-format content 3-14
  - adding standard-interchange-format content 3-15
  - beginning 3-81 to 3-83
  - ending 3-84
  - extending the send-options dialog box 3-125
  - main routine 3-12
  - send-options dialog box 3-73 to 3-76
- send-letter** functions 3-37 to 3-45
  - defined 3-3
- send-options** dialog box 3-73 to 3-76
  - displaying 3-11
  - extending 3-125
- SendOptionsFilterProc** function 3-125
- send-options** structure 3-34
- Sent** field of a mailer 3-111
- serial number** (of a certificate) 6-8, 6-50
- servers**
  - PowerShare 162
- service access modules.** *See* SAMs
- session key**
  - defined 9-400
  - extracting from credentials 9-455
- Setup catalog**
  - adding a catalog and password 9-460
  - changing a record ID and password for a catalog 9-461
  - getting record ID and native name of a catalog 9-458
  - getting reference number of 239
  - manipulating 9-457 to 9-464
  - removing a catalog 9-462
- ShortRecordID** data type
  - checking equality of 2-84
  - copying 2-83
  - creating 2-82
  - defined 2-35
- short record identifiers**
  - checking equality of 2-84
- copying** 2-83
- creating** 2-82
- data type** defined 2-35
- manipulating** 2-82 to 2-85
- SIGCertInfo** data type 6-25
- SIGDigest** function 6-44 to 6-45
- SIGDigestPrepare** function 6-43 to 6-44
- SIGDisposeContext** function 6-29
- SIGFileIsSigned** function 6-45 to 6-46
- SIGGetCertInfo** function 6-49 to 6-51
- SIGGetCertIssuerNameAttributes** function 6-52 to 6-54
- SIGGetCertNameAttributes** function 6-51 to 6-52
- SIGGetSignerInfo** function 6-48 to 6-49
- SIGNameAttributesInfo** data type 6-26 to 6-27
- SIGNameAttributeType** data type 6-27
- signature resource**
  - aspect templates 5-88
  - defined 5-12
  - file type templates 5-141
  - forwarder templates 5-139
  - information page templates 5-121 to 5-123
  - killer templates 5-140
- signed certificates** 6-6, 6-9
- signed digests.** *See* encrypted digests
- signer file**, prompting the user for 6-32
- signer information structure** 6-23 to 6-24
- signer of documents** 6-23 to 6-24
  - getting information about 6-48
    - . *See also* digital signatures
- SIGNewContext** function 6-28 to 6-29
- signing a file** 6-8, 6-22
- SIGProcessData** function 6-30 to 6-31
- SIGShowSigner** function 6-46 to 6-48
- SIGSignerInfo** structure 6-23 to 6-24
- SIGSignFile** function 6-36 to 6-38
- SIGSign** function 6-34 to 6-35
- SIGSignPrepare** function 6-31 to 6-34
- SIGVerifyFile** function 6-41 to 6-42
- SIGVerify** function 6-40 to 6-41
- SIGVerifyPrepare** function 6-38 to 6-40
- single filter structure** 7-34
- SLRV** data type 194
- SMPAddAddress** function 3-118
- SMPAddAttachment** function 3-119
- SMPAddBlock** function 3-91 to 3-93
- SMPAddContent** function 3-85 to 3-88
- SMPAddMainEnclosure** function 3-90
- SMPAttachDialog** function 3-120 to 3-122
- SMPBecomeTarget** function 3-54 to 3-56
- SMPBeginSave** function 3-77 to 3-80
- SMPBeginSend** function 3-81 to 3-83
- SMPClearUndo** function 3-70
- SMPCloseOptions** data type 3-30
- SMPCloseOptionsDialog** function 3-29, 3-60 to 3-61

SMPContentChanged function 3-76  
 SMPDisposeMailer function 3-29, 3-61  
 SMPDrawMailer function 3-72  
 SMPDrawNthCoverPage function 3-108  
 SMPEnclosureDescriptor data type 3-26  
 SMPEndSave function 3-80  
 SMPEndSend function 3-84  
 SMPEnumerateBlocks function 3-104  
 SMPExpandOrContract function 3-56  
 SMPGetComponentInfo function 3-111 to 3-113  
 SMPGetComponentSize function 3-110  
 SMPGetDimensions function 3-48  
 SMPGetFontNameFromLetter function 3-102  
 SMPGetLetterInfo function 3-27, 3-93  
 SMPGetListItemInfo function 3-113 to 3-115  
 SMPGetMailerState function 3-30, 3-69  
 SMPGetMainEnclosureFSSpec function 3-103  
 SMPGetNextLetter function 3-27, 3-97  
 SMPGetTabInfo function 3-53  
 SMPImageErr function 3-42  
 SMPImage function 3-88 to 3-89  
 SMPInitMailer function 3-46  
     using 3-9  
 SMPLetterInfo data type 3-27  
 SMPLetterPB parameter block 3-29  
 SMPMailerEditCommand function 3-67  
 SMPMailerEvent function 3-63 to 3-67  
 SMPMailerForward function 3-49 to 3-51  
 SMPMailerReply function 3-51 to 3-53  
 SMPMailerState data type 3-30 to 3-34  
 SMPMoveMailer function 3-57  
 SMPNewMailer function 3-46 to 3-48  
 SMPNewPage function 3-41  
 SMPOpenLetter function 3-27, 3-94 to 3-96  
 SMPPrepareCoverPages function 3-107  
 SMPPrepareToChange function 3-83  
 SMPPrepareToClose function 3-59  
 SMPReadBlock function 3-106  
 SMPReadContent function 3-98 to 3-102  
 SMPRecipientDescriptor data type 3-25  
 SMPResolveToRecipient function 3-25, 3-44  
 SMPSendFormat data type 3-35  
 SMPSendLetter function 3-25, 3-26, 3-29, 3-37 to 3-41  
 SMPSendOptions data type 3-34  
 SMPSendOptionsDialog function 3-34, 3-73 to 3-76  
 SMPSetFromIdentity function 3-117  
 SMPSetSubject function 3-116  
 SMPTagDialog function 3-58  
 snapshot. *See* image content  
 sound segments, in letters 3-87  
 Special menu  
     locking local identity 9-431  
     unlocking local identity 9-433  
 specific identity  
     binding 9-435  
     creating 9-435  
     defined 4-6, 166, 9-405  
     for Catalog-Browsing panel 4-37  
     for Find panel 4-71  
     getting record ID 9-438  
     introduction 1-18  
     management 9-435 to 9-439  
     prompting for 4-25 to 4-28  
     removing 9-437  
     spinning cursor 4-95  
 stand-alone attribute 5-6  
 Standard Catalog Package 4-3 to 4-115  
     application-defined functions for 4-94 to 4-95  
     data structures for 4-20 to 4-23  
     functions in 4-23 to 4-93  
         authenticating a user 4-25 to 4-28  
         calling from assembly language 4-24  
         creating, displaying, and disposing of a Catalog-Browsing panel 4-29 to 4-51  
         creating, displaying, and disposing of a Find panel 4-61 to 4-75  
         handling Catalog-Browsing panel events 4-51 to 4-61  
         handling find-panel events 4-75 to 4-85  
         obtaining icons and lists of catalog-item categories and types 4-88 to 4-93  
         resolving aliases 4-85 to 4-88  
         sorting a personal catalog 4-28  
     introduction 1-12  
     testing for availability 4-5  
     version number 4-5  
 standard interchange format  
     adding to a letter 3-15, 3-85 to 3-88  
     converting font numbers to font names 3-102  
     defined 3-7  
     reading 3-98 to 3-102  
 Standard Mail Package 3-3 to 3-153  
     application-defined functions for 3-122 to 3-126  
     data structures for 3-25 to 3-35  
     functions in 3-36 to 3-122  
         calling from assembly language 3-36  
         getting and setting information in a mailer 3-110 to 3-122  
         handling events in mailers 3-63 to 3-72  
         initializing 3-46  
         opening and reading mail 3-93 to 3-107  
         printing and imaging mailers 3-107 to 3-109  
         providing a mailer in your window 3-45 to 3-63  
         sending and saving mail 3-72 to 3-93  
         send-letter functions 3-37 to 3-45  
     initializing 3-8  
     introduction 1-11  
     relationship to Interprogram Messaging Manager 7-3  
     testing for availability 3-8

version number 3-8

standard record types  
list of 2-28  
obtaining 2-85

standard signatures  
adding 6-8, 6-22, 6-36  
getting information on 6-45 to 6-54

`StaticCommandTextFromView` view type 5-128, 5-162

`StaticTextFromView` view type 5-127

`StaticText` view type 5-128

Stop button, for Find panel 4-80, 4-84

store-and-forward 1-15

string property type 5-13, 5-84  
. *See also* `RString` data type

strings. *See* AOCE strings

styled text, in letters 3-87

styles  
constants for view lists 5-127

'`styp`' lookup table element 5-119

Subject field of a mailer  
getting 3-111  
specifying 3-116

sublist item target selector 5-144

sublists  
automatically opening information page for new item 5-96

callback routines 5-235 to 5-238  
determining number of items in sublist 5-235  
synchronizing with catalog system 5-237

example 5-8

information page for attribute in 5-23

information page for record in 5-24

and main aspects 5-22

name of attribute value 5-95

preventing the user from dragging out attribute values 5-102

sample information page 5-43 to 5-52

sorting 5-103, 5-104, 5-128, 5-162

specifying types of attribute values that can be dragged out 5-102

`useInSublist` lookup-table flag 5-109

and view lists 5-136

synchronizing property values with the catalog system 5-185 to 5-187, 5-237

---

T

Tab key  
selecting Catalog-Browsing panel 4-46  
selecting Find panel 4-70  
using to move among fields in a mailer 3-53 to 3-56

tags

adding to letters 3-58

close-options dialog box 3-60

target components 3-32

target selectors 5-144

target specifier structure 5-142 to 5-145

template name resource 5-75

template names 5-75

template resources. *See* resources

templates. *See* AOCE templates

template unloader 5-208

text  
AOCE template code resource routines 5-164, 5-166  
as content of a letter 3-87

text justification. *See* justified text

text styles. *See* styles

text views  
. *See also* edit-text views  
types of 5-127

time  
getting UTC 9-448 to 9-450

time service 9-448 to 9-450

TOC information structure 7-37

To field. *See* Recipients field of a mailer

`TPfPgDir` data type 3-28

type  
determining for a letter in the In tray 3-94

type conversions, AOCE template properties 5-188 to 5-192

convert from number 5-191

convert from `RString` 5-192

convert to number 5-188

convert to `RString` 5-189

on requesting a property value 5-214

on setting a property value 5-223

'`type`' lookup table element 5-111

---

U

Undo command  
for mailers 3-33, 3-70

universal coordinated time. *See* UTC

unpacking  
AOCE data structures 2-5 to 2-10

packed catalog services specifications 2-98

`PackedDSSpec` 2-98

`PackedPathName` 2-58

`PackedRecordID` 2-91

packed record identifiers 2-91

`PackedRLI` 2-72

record location information 2-72

update events  
for Catalog-Browsing panels 4-47  
for Find panels 4-72 to 4-73

for mailers 3-72  
**useForInput** lookup-table flag 5-109  
**useForOutput** lookup-table flag 5-109  
**useInSublist** lookup-table flag 5-109  
 user names  
   for local identity 9-428  
 User record templates A-1 to A-3  
 UTC, getting 9-448 to 9-450  
 UTCOffset data type 3-112  
 UTCTime data type 3-112, 7-33  
 utilities. *See* AOCE Utilities  
 utility functions. *See* AOCE utility functions

**V**

view lists 5-123 to 5-131  
   and sublist sorting 5-128  
   code resource routine 5-166  
   custom view bounds 5-244  
   custom view reference value 5-242  
   flags 5-126  
   font constants 5-127  
   sample 5-130  
   and sublists 5-136  
   text justification constants 5-127  
   text style constants 5-127  
   view types 5-127 to 5-130  
 View menu 5-7  
   and sublist sorting 5-103, 5-104  
 views  
   conditional  
     code resource routine 5-166  
     defined 5-26  
     implementing 5-131 to 5-136  
     sample 5-40 to 5-43  
   custom  
     callback routines 5-242 to 5-245  
     code resource routines 5-192 to 5-194  
     defined 5-130  
     getting bounds 5-244  
     getting reference value 5-242  
     handling mouse-down event 5-194  
     updating 5-193  
   view types 5-127 to 5-130  
 virtual queue. *See* virtual under message queues  
 viruses  
   detecting with digital signatures 6-3  
 visitor, PowerTalk. *See* alternate user, PowerTalk

**W**


---

watch cursor  
   disabling 5-200  
 windows  
   adding a mailer 3-46  
   information page. *See* custom information page  
     window; information page  
   moving a mailer in 3-57  
   preparing for mailer 3-123  
   'word' lookup table element 5-111  
   workflow application example 1-7  
   wristwatch cursor  
     disabling 5-200  
   'wsiz' lookup table element 5-115  
   'wstr' lookup table element 5-111

